WEST

Freeform Search

Database: US Patents Full-Text Database
US Pre-Grant Publication Full-Text Database
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Derwent World Patents Index
IBM Technical Disclosure Bulletins

Term: L2 and medical

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Search History

DATE: Wednesday, January 08, 2003 Printable Copy Create Case

Set Name side by side	Query	Hit Count	Set Name result set
	DB=USPT; PLUR=YES; OP=OR		
L3	L2 and medical	232	L3
L2	(protocol NEAR9 (diagnostic or x-ray or MRI or NMR or scanner or ultrasound or CAT or tomography or (magnetic ADJ resonance))) and @PD>20001106	555	L2
L1	(medical ADJ5 diagnos$4) and (diagnostic ADJ (equipment or machine or apparatus)) and (network or Internet or Web) and @PD>20001106	71	L1

Searched through MWIC & DATE

END OF SEARCH HISTORY

NDR 1/8/2003

```
Set     Items   Description
S1         52   AU=(KORITZINSKY, I? OR KORITZINSKY I? OR REICH J? OR REICH,
               J?)
S2    2549525   DIAGNOS? OR MEDICAL? OR ULTRASOUND? OR ULTRA()SOUND? OR TO-
              MOGRAPH? OR NMR OR MRI OR XRAY? OR X()RAY?
S3   15758167   IMAG??? OR SCAN? OR DATA? ? OR INFO OR INFORMATION
S4   11214816   PROTOCOL? OR PROGRAM? OR SOFTWARE? OR APPLICATION?
S5    1024426   PRESET? OR PRE()SET? ? OR SETTING? OR MODALIT?
S6   10090270   IMPORT? ? OR TRANSFER? OR TRANSMI? OR FORWARD? OR SEND? OR
              SENT OR DOWNLOAD? OR RECEIV? OR LOADING?
S7   13444707   DEVICE? OR EQUIPMENT? OR APPARATUS? OR MACHINE OR SYSTEM?
S8     225808   S2(2N)S3
S9      35304   S8(10N)(ONLINE OR ON()LINE OR INTERNET OR INTRANET OR EXTR-
              ANET OR WEB? OR HOMEPAGE OR HOME()PAGE OR NETWORK? OR PORTAL?
              OR WWW OR CYBER? OR LAN OR WAN OR ELECTRONIC? OR SERVER? OR B-
              ROWSER?)
S10     11539   S9(12N)S7
S11      3134   S10(12N)S4
S12       356   S11(12N)S6
S13       157   S12 NOT PY>1998
S14       156   S13 NOT PD=19981125:20030103
S15        99   RD (unique items)
? show files
File   9:Business & Industry(R) Jul/1994-2002/Dec 30
         (c) 2002 Resp. DB Svcs.
File  15:ABI/Inform(R) 1971-2003/Jan 03
         (c) 2003 ProQuest Info&Learning
File  16:Gale Group PROMT(R) 1990-2003/Jan 02
         (c) 2003 The Gale Group
File 148:Gale Group Trade & Industry DB 1976-2003/Jan 02
         (c)2003 The Gale Group
File 160:Gale Group PROMT(R) 1972-1989
         (c) 1999 The Gale Group
File 275:Gale Group Computer DB(TM) 1983-2003/Jan 03
         (c) 2003 The Gale Group
File 621:Gale Group New Prod.Annou.(R) 1985-2003/Jan 02
         (c) 2003 The Gale Group
File 636:Gale Group Newsletter DB(TM) 1987-2003/Jan 03
         (c) 2003 The Gale Group
File 149:TGG Health&Wellness DB(SM) 1976-2002/Dec W3
         (c) 2002 The Gale Group
```

15/3,K/1 (Item 1 from file: 9)
DIALOG(R)File 9:Business & Industry(R)

02152805 (USE FORMAT 7 OR 9 FOR FULLTEXT)
X-RAY VISION VIA INTERNET: PICKER SOFTWARE CUTS COSTS TO VIEW MEDICAL SCANS (Picker International Inc (Highland Hts, OH) to introduce Internet software to let radiologists transmit high-resolution images via Internet)
Crain's Cleveland Business, p 3
June 01, 1998
DOCUMENT TYPE: Journal ISSN: 0197-2375 (United States)
LANGUAGE: English RECORD TYPE: Fulltext
WORD COUNT: 479

(USE FORMAT 7 OR 9 FOR FULLTEXT)

TEXT:
By: JENNIFER BEAUPREZ

Picker International Inc. wants to give doctors access to **X - rays** and **medical scans** anytime, anywhere with a new **Internet** -based **software program** .

The Highland Heights maker of **medical imaging systems** this month will introduce the first of a series of Internet **software programs** that will let radiologists **transmit** and view high-resolution images using any computer with an Internet web browser.

''If the...

15/3,K/2 (Item 2 from file: 9)
DIALOG(R)File 9:Business & Industry(R)

01858614 (USE FORMAT 7 OR 9 FOR FULLTEXT)
Speeding Words Into Print -- From typewriters to lasers to scanners, the printer just keeps getting brainier
(With 12 years of innovation behind them, computer printers are promising to make copiers and fax machines obsolete)
Information Week, p 60
June 16, 1995
DOCUMENT TYPE: Journal ISSN: 8750-6874 (United States)
LANGUAGE: English RECORD TYPE: Fulltext
WORD COUNT: 600

(USE FORMAT 7 OR 9 FOR FULLTEXT)

TEXT:
...IS managers demand reliable printing solutions that require low maintenance. Consequently, printers will become smarter **network devices** . Today, **software** lets administrators view status remotely, **receive diagnostic information** , and manage printers anywhere on the **network** . New **Web** -based technologies bring these same sophisticated capabilities to administrators through a standard Web browser. As...

15/3,K/3 (Item 3 from file: 9)
DIALOG(R)File 9:Business & Industry(R)

01608446 (USE FORMAT 7 OR 9 FOR FULLTEXT)
Lilly's $4B Health-Net Gamble
(Eli Lilly & Co is pursuing the development of a single health-care network)
Information Week, n 597, p 93+
September 16, 1996
DOCUMENT TYPE: Journal ISSN: 8750-6874 (United States)
LANGUAGE: English RECORD TYPE: Fulltext
WORD COUNT: 1138

(USE FORMAT 7 OR 9 FOR FULLTEXT)

TEXT:
...access the PCS database.

Before IMS was acquired by Lilly, it offered groups of doctors **online** administrative **information** , lab, **medical** records, and messaging over a dial-up **network** . But the **system** didn't support real-time queries or other interactive **applications** ; data **transmission** was, by comparison, "rudimentary," says Kevin Moley, IMS president.
Lilly's subsidiaries have started migrating...

15/3,K/4 (Item 1 from file: 15)
DIALOG(R)File 15:ABI/Inform(R)

01660704 03-11694
When a picture is worth a thousand words and maybe more
Pappalardo, Denise
Network World v15n26 PP: 41 Jun 29, 1998
ISSN: 0887-7661 JRNL CODE: NWW
WORD COUNT: 492

...TEXT: a group of 14 neurosurgeons have collaborated with VPN vendor Assured Digital, Inc. (ADI), medical **software** provider JABR Technology Corp. and MediaOne Group to create a VPN **system** that **transmits** **medical images** securely over the **Internet** .

With an **MRI** or CAT **scan** in hand, a remote doctor will be able to carefully and more accurately diagnose a...

15/3,K/5 (Item 2 from file: 15)
DIALOG(R)File 15:ABI/Inform(R)

01641692 02-92681
Outsourcing For All
Thyfault, Mary E
Informationweek n683 PP: 113-114 May 25, 1998
ISSN: 8750-6874 JRNL CODE: IWK
WORD COUNT: 849

...TEXT: in the Denver area, a physician management organization, and a 60-bed licensed hospital. Medical **applications** include **medical** **image** **transmission** and **electronic** patient records.

Convergent is responsible for all desktop PCs, a PBX phone **system** , a

100-Mbps internal data network, and WAN design and management. It also provides network...

15/3,K/6 (Item 3 from file: 15)
DIALOG(R)File 15:ABI/Inform(R)

01447879 00-98866
Speeding words into print
Raimondi, Rich
Informationweek n635 PP: 60 Jun 16, 1997
ISSN: 8750-6874 JRNL CODE: IWK
WORD COUNT: 615

...TEXT: IS managers demand reliable printing solutions that require low maintenance. Consequently, printers will become smarter **network devices** . Today, **software** lets administrators view status remotely, **receive diagnostic information** , and manage printers anywhere on the **network** . New **Web** -based technologies bring these same sophisticated capabilities to administrators through a standard Web browser. As...

15/3,K/7 (Item 4 from file: 15)
DIALOG(R)File 15:ABI/Inform(R)

01296470 99-45866
Client/server delivers booster shot to medical database firm
Anonymous
Management Accounting Software Financial Systems Supplement PP: 18 Sep 1996
ISSN: 0025-1690 JRNL CODE: NAA
WORD COUNT: 820

...TEXT: dialing into the company hourly; record all transactions; and automatically translate that information into accounts **receivable** invoices in multiple currencies.

The Dove Group used Sybase's SQL **Server** relational database management **system** (RDBMS) to hold the **medical** query **information** and integrate it with the accounts **receivable** function. Bellu recommended that **Systems** Union's SunSystems international financial management **software** be used as the accounting engine for the accounts **receivable** function, in large part because it can communicate with Sybase's RDBMS. Ovid installed SunSystems...

15/3,K/8 (Item 5 from file: 15)
DIALOG(R)File 15:ABI/Inform(R)

00862215 95-11607
Data compression specification is well worth the wait for users
Dodd, Annabel
Network World v11n20 PP: 41 May 16, 1994
ISSN: 0887-7661 JRNL CODE: NWW
WORD COUNT: 839

...TEXT: speeds up to 64K bit/sec. Applications suitable to Phase 1 of this

standard are **transmissions** using High-Level Data Link Control framed data **protocols** , routers, **Systems** Network Architecture and X.25 **protocols** . Examples are **LAN** -to- **LAN** communications, **images** , graphics, **X rays** and text **transmissions** . Video, which is already compressed in the codec, will not benefit from compression.

Phase 2...

15/3,K/9 (Item 6 from file: 15)
DIALOG(R)File 15:ABI/Inform(R)

00845859 94-95251
Developments in ATM for the access network
Cantou, Christian
Telecommunications (International Edition) v28n3 PP: 91-96 Mar 1994
JRNL CODE: TIE
WORD COUNT: 2093

...TEXT: the applications being trialled in the Brehat Project are multimedia, computer interconnection, ATM based cell **transmission systems** , ATM **LAN** and terminal interconnection and image/ **data transfer** for **medical applications** .

The first experiments were successfully completed in late 1993 and there will be further testing...

15/3,K/10 (Item 7 from file: 15)
DIALOG(R)File 15:ABI/Inform(R)

00825565 94-74957
Unix software distributor broadens line card
Longwell, John
Computer Reseller News PP: 157 Feb 14, 1994
ISSN: 0893-8377 JRNL CODE: CRN
WORD COUNT: 464

...TEXT: increasingly demanding they do business electronically.

Cleo allows up to 32 users on a Unix **system** to access a mainframe for such **applications** as **electronic data** interchange, filing **medical** claims, **electronic** funds **transfers** and point-of-sale data gathering, he said.

The third product, an integrated small-business...

15/3,K/11 (Item 8 from file: 15)
DIALOG(R)File 15:ABI/Inform(R)

00527536 91-01880
US Sprint Offers Speedy Medical Image Transport
Molloy, Maureen
Network World v7n50 PP: 25 Dec 10, 1990
ISSN: 0887-7661 JRNL CODE: NWW

...ABSTRACT: to transmit medical images for the cost of a long-distance telephone call. The Healthcare **Application Network** Delivery **System** (HANDS) enables physicians to **transmit diagnostic images** , such as CAT scans, magnetic resonance images (MRI), X-rays, and sonograms, from one hospital...

15/3,K/12 (Item 1 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)

05922069 Supplier Number: 53157286 (USE FORMAT 7 FOR FULLTEXT)
Net products use custom software, CPUs.(embedded networking)(Technology Information)
Peisel, William
Electronic Engineering Times, p106(1)
Nov 2, 1998
Language: English Record Type: Fulltext
Document Type: Magazine/Journal; Trade
Word Count: 1256

... delivery. TCP/IP uses a clean, simple API that allows the interface of useful communications **applications** , such as FTP, SMTP and POP3. For the management of embedded **devices** , SNMP (running over UDP) facilitates the **transfer** of management and **diagnostic information** . While TCP/IP is today's **networking protocol** -stack winner, it is constantly evolving to suit the demands of the future. Enhancements to...

15/3,K/13 (Item 2 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)

05715168 Supplier Number: 50178270 (USE FORMAT 7 FOR FULLTEXT)
Nortech Systems' Imaging Technologies Division Signs Distribution Agreement for Taiwan, Singapore and Hong Kong.
Business Wire, p07201450
July 20, 1998
Language: English Record Type: Fulltext
Article Type: Article
Document Type: Newswire; Trade
Word Count: 421

Rattan Computer Co. is a value-added distributor and leading developer of **software** for digital picture archiving and communication **systems** (PACS). With PACS, **medical diagnostic images** are reviewed on monitor screens and **electronically** archived and **transmitted** without using film.

"Expanding international distribution of our monitors is a key corporate objective, and...

15/3,K/14 (Item 3 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)

05665222 Supplier Number: 50127885 (USE FORMAT 7 FOR FULLTEXT)
Charter Behavioral Health Systems Selects The Medical Manager(R) Software
PR Newswire, p629NYM053
June 29, 1998
Language: English Record Type: Fulltext

Article Type: Article
Document Type: Newswire; Trade
Word Count: 596

... 000 sites representing 120,000 physicians, making it the most widely installed physician practice management **system** in the United States. Further **information** about The **Medical** Manager **software** is available **on - line** at http:// **www** .medicalmanager.com.

This press release contains **forward** -looking statements within the meaning of the Private Securities Litigation Act of 1995 (the "Act...

15/3,K/15 (Item 4 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)

05664273 Supplier Number: 50126916 (USE FORMAT 7 FOR FULLTEXT)
X-ray vision via Internet
Beauprez, Jennifer
Crain's Cleveland Business, p3
June 1, 1998
Language: English Record Type: Fulltext
Document Type: Magazine/Journal; Tabloid; Trade
Word Count: 486

JENNIFER BEAUPREZ

Picker International Inc. wants to give doctors access to **X - rays** and **medical scans** anytime, anywhere with a new **Internet** -based **software program** .

The Highland Heights maker of **medical imaging systems** this month will introduce the first of a series of Internet **software programs** that will let radiologists **transmit** and view high-resolution images using any computer with an Internet web browser.

'If the...

15/3,K/16 (Item 5 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)

05614528 Supplier Number: 48495409 (USE FORMAT 7 FOR FULLTEXT)
Outsourcing For All -- Convergent's Enterprise Network Services give smaller companies a break
Thyfault, Mary E.
InformationWeek, p113
May 25, 1998
Language: English Record Type: Fulltext
Document Type: Magazine/Journal; Tabloid; General Trade
Word Count: 848

... in the Denver area, a physician management organization, and a 60-bed licensed hospital. Medical **applications** include **medical image transmission** and **electronic** patient records.

Convergent is responsible for all desktop PCs, a PBX phone **system** , a 100-Mbps internal data network, and WAN design and management. It also provides network...

15/3,K/17 (Item 6 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)

05549831 Supplier Number: 48410981 (USE FORMAT 7 FOR FULLTEXT)
Cleveland Health Network Selects The Medical Manager Software To Provide Practice Management Services
PR Newswire, p407HSTU032
April 7, 1998
Language: English Record Type: Fulltext
Document Type: Newswire; Trade
Word Count: 549

... 000 sites representing 120,000 physicians, making it the most widely installed physician practice management **system** in the United States. Further **information** about The **Medical** Manager **software** is available **on - line** at http:// **www** .medicalmanager.com.
This press release contains **forward** -looking statements within the meaning of the Private Securities Litigation Act of 1995 (the "Act...

15/3,K/18 (Item 7 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)

05519820 Supplier Number: 48366336 (USE FORMAT 7 FOR FULLTEXT)
Biosensor Corporation Signs Letter of Intent to Acquire Carolina Medical by Reverse Merger, and Plans Changes in Capital Structure
PR Newswire, p0319MNTH016
March 19, 1998
Language: English Record Type: Fulltext
Document Type: Newswire; Trade
Word Count: 359

... BIOTEL name would more clearly define the direction of the new combined company as a **software** driven leader in BIOmedical TELecommunications using the **Internet** to **transmit medical device data** files. The Biosensor trade name would be maintained, and Advanced Medical Products, Inc., Carolina Medical...

15/3,K/19 (Item 8 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)

05518046 Supplier Number: 48362581 (USE FORMAT 7 FOR FULLTEXT)
Medical Manager Corporation and TIPAAA Announce Strategic Partnership
PR Newswire, p0317NYTU055
March 17, 1998
Language: English Record Type: Fulltext
Document Type: Newswire; Trade
Word Count: 674

... client sites representing 120,000 physicians, making it the most widely installed physician practice management **system** in the United States. Further **information** about The **Medical** Manager **software** is available **on - line** at http:// **www** .medicalmanager.com.
This press release contains **forward** -looking statements within the meaning of the Private Securities Litigation Act of 1995 (the "Act...

15/3,K/20 (Item 9 from file: 16)

DIALOG(R)File 16:Gale Group PROMT(R)
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05475166 Supplier Number: 48297452 (USE FORMAT 7 FOR FULLTEXT)
Network Adapters Gain Gigabit Support; Intel, 3Com, Digital all plan Q2 NIC rollouts
Nobel, Carmen
PC Week, p122
Feb 16, 1998
Language: English Record Type: Fulltext
Document Type: Magazine/Journal; Tabloid; General Trade
Word Count: 453

... agreed. "It will definitely help us because we use a lot of bandwidth on the **network** for **transferring** large amounts of **medical imaging** ," said Ha Nguyen, a senior **software** engineer at Marquette Medical **Systems** Inc., in Torrance, Calif.
Still, analysts said Gigabit NICs won't hit the mass market...

15/3,K/21 (Item 10 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)
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05441690 Supplier Number: 48250727 (USE FORMAT 7 FOR FULLTEXT)
Companion Technologies of Texas Acquired by Medical Manager Corporation.
Business Wire, p01270161
Jan 27, 1998
Language: English Record Type: Fulltext
Document Type: Newswire; Trade
Word Count: 477

... clinical and practice management needs of physicians. Since its development in 1982, The Medical Manager **software** has grown to become the most widely installed physician practice management **system** in the United States. Further **information** about The **Medical** Manager **software** is available **on - line** at http:// **www** .medicalmanager.com.
This press release contains **forward** -looking statements within the meaning of the Private Securities Litigation Act of 1995 (the "Act...

15/3,K/22 (Item 11 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)
(c) 2003 The Gale Group. All rts. reserv.

05383304 Supplier Number: 48185938 (USE FORMAT 7 FOR FULLTEXT)
Children's Hospital And Health Center Selects The Medical Manager(R) To Build Integrated Delivery System
PR Newswire, p1218NYTH054
Dec 18, 1997
Language: English Record Type: Fulltext
Document Type: Newswire; Trade
Word Count: 827

... clinical and practice management needs of physicians. Since its development in 1982, The Medical Manager **software** has grown to become the most widely installed physician practice management **system** in the United States. Further **information** about The **Medical** Manager **software** is available **on - line** at http:// **www** .medicalmanager.com.
This press release contains **forward** -looking statements within the

meaning of the Private Securities Litigation Act of 1995 (the "Act...

15/3,K/23 (Item 12 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)
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05351648 Supplier Number: 48140092 (USE FORMAT 7 FOR FULLTEXT)
Phoenix utility aims to untangle peripherals
Schwartz, Ephraim
InfoWorld, p29
Nov 24, 1997
Language: English Record Type: Fulltext
Document Type: Magazine/Journal; Trade
Word Count: 377

... start-up
* Minimum hardware configured
RomPilot start-up
* Each step is monitored, SNMP trap "boot" **sent** to remote **application**
* 32-bit multithreaded kernel drives communications, controls BIOS, runs **application**
* **Applications** : **information** , **diagnostics** , instrumentation
* Alternate boot **device** ? CD-ROM, floppy, **network** partition, PXE
* BIOS completes
* BIOS watching makes sure OS boots successfully
OS boots
* OS SNMP...

15/3,K/24 (Item 13 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)
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05236808 Supplier Number: 47984652 (USE FORMAT 7 FOR FULLTEXT)
Medical Manager Corporation Announces Strategic Alliance With National Computer Systems, Inc.
PR Newswire, p916NYTU050
Sept 16, 1997
Language: English Record Type: Fulltext
Document Type: Newswire; Trade
Word Count: 598

... client sites representing 110,000 physicians, making it the most widely installed physician practice management **system** in the United States.
Further **information** about The **Medical** Manager **software** is available **on - line** at http:// **www** .medicalmanager.com .
This press release contains **forward** -looking statements within the meaning of the Private Securities Litigation Act of 1995 (the "Act...

15/3,K/25 (Item 14 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)
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05112481 Supplier Number: 47805540 (USE FORMAT 7 FOR FULLTEXT)
TomTec GmbH announces continuation of business operations in 3D ultrasound applications.

Business Wire, p07010218
July 1, 1997
Language: English Record Type: Fulltext
Document Type: Newswire; Trade
Word Count: 443

... S. company took this action after unsuccessful attempts to secure new funding sources to carry **forward** its R&D and marketing **programs** in digital **ultrasound imaging applications** including stress echo, digital echocardiography **networking** , and 3D **ultrasound** .
TomTec **Imaging Systems** Inc. was formed by the merger of Prism Imaging **Systems** of Colorado and TomTec Tomographic Technologies, GmbH of Munich, Germany in late 1993. After the...

15/3,K/26 (Item 15 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)

04814113 Supplier Number: 47082669 (USE FORMAT 7 FOR FULLTEXT)
Records on the Internet
Bazzoli, Fred
Health Data Management, p96
Feb, 1997
Language: English Record Type: Fulltext
Document Type: Magazine/Journal; Trade
Word Count: 3230

... they've been treated at multiple sites and the information is stored on disparate information **systems** .
But so far, only a handful of organizations are actually using the **Internet** to **send medical information** . More are testing the concept on intranets, private **networks** that use Internet **protocols** and technologies.
Because Internet **protocols** are widely used and understood, the Internet has the potential to be an easy-to...

...fears that they won't be able to protect the privacy and confidentiality of sensitive **medical information sent** over the **Internet** . To do that, they're implementing **systems** to encrypt medical records and complex **programs** that use passwords or electronic 'certificates' authorizing the bearer to access records.
Pros and cons...

15/3,K/27 (Item 16 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)

04569387 Supplier Number: 46716861 (USE FORMAT 7 FOR FULLTEXT)
DOC-U-CARE Announces Grand Opening
PR Newswire, p916FLM001
Sept 16, 1996
Language: English Record Type: Fulltext
Document Type: Newswire; Trade
Word Count: 98

Jerry Keller, CEO, states that DOC-U-CARE will be offering **software** consulting and integration, teleradiology and storage **transmission** , **electronic medical software** , **imaging** and litigation support services

statewide.
Step into the future of **electronic** documentation with DOC-U-CARE, Document Management **Systems** .

SOURCE DOC-U-CARE, INC.

-0- 9/16/96
/CONTACT: Jerry Keller, CEO, Doc-U...

15/3,K/28 (Item 17 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)

04402081 Supplier Number: 46457684 (USE FORMAT 7 FOR FULLTEXT)
American Superconductor CEO named chairman of the Council on Superconductivity for American Competitiveness.
Business Wire, p06111165
June 11, 1996
Language: English Record Type: Fulltext
Document Type: Newswire; Trade
Word Count: 522

... applications of superconductors have been established in a wide variety of markets, including electric utility **equipment** , high-energy physics, diagnostic **medical** magnetic resonance **imaging** , and **electronics applications** such as filters for cellular base stations and **receivers** for magnetic resonance imaging.
Specific goals that CSAC will pursue under Yurek's leadership include ...

15/3,K/29 (Item 18 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)

04277810 Supplier Number: 46267349 (USE FORMAT 7 FOR FULLTEXT)
SYSTRAN Corp. Unveils FibreXpress Family of Fibre Channel Adapters at NetWorld+Interop '96
News Release, pN/A
April 1, 1996
Language: English Record Type: Fulltext
Document Type: Magazine/Journal; Trade
Word Count: 294

(USE FORMAT 7 FOR FULLTEXT)
TEXT:
...000 nodes at speeds of up to 1 Gigabaud. FibreXpress is ideally suited for all **applications** requiring high-speed, high-throughput data **transfer** in a **LAN** environment such as publishing, **medical imaging** , campus **networking** , workstation clustering, **network** backboning and mass storage **systems** . Located at 4126 Linden Avenue, Dayton, Ohio 45432-3068 USA, SYSTRAN Corp. specializes in realtime...

15/3,K/30 (Item 19 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)

04277032 Supplier Number: 46265283 (USE FORMAT 7 FOR FULLTEXT)

SYSTRAN Corp. unveils FibreXpress family of Fibre Channel adapters at NetWorld+Interop 96.
Business Wire, p4011284
April 1, 1996
Language: English Record Type: Fulltext
Document Type: Newswire; Trade
Word Count: 378

... million nodes at speeds of up to 1 Gigabaud. FibreXpress is ideally suited for all **applications** requiring high-speed, high-throughput data **transfer** in a **LAN** environment such as publishing, **medical imaging** , campus **networking** , workstation clustering, **network** backboning and mass storage **systems** .
The FibreXpress family of host bus adapters are currently available with prices starting at $1...

15/3,K/31 (Item 20 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)

04239765 Supplier Number: 46207278 (USE FORMAT 7 FOR FULLTEXT)
RAYTHEON SWALLOWS ITS PRIDE, SELLS XYPLEX TO WHITTAKER
Computergram International, n2867, pN/A
March 7, 1996
Language: English Record Type: Fulltext
Document Type: Newswire; Trade
Word Count: 258

... and Frame Relay, while Whittaker claims to have been the first to market with Asynchronous **Transfer** Mode-based backbone hubs for high bandwidth local and wide area **network applications** such as video and **medical imaging** . Xyplex does the **Network** 9000 switching and routing hubs, the **Network** 3000 family of branch office **systems** , local net and Asynchronous Mode switches, and the MAXserver remote access servers. Xyplex had sales...

15/3,K/32 (Item 21 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)

04174492 Supplier Number: 46098229 (USE FORMAT 7 FOR FULLTEXT)
TAKEFIVE SOFTWARE ANNOUNCES SNIFF+ 2.2 DEVELOPMENT ENVIRONMENT
News Release, pN/A
Jan 29, 1996
Language: English Record Type: Fulltext
Document Type: Magazine/Journal; Trade
Word Count: 466

(USE FORMAT 7 FOR FULLTEXT)
TEXT:
...SNIFF+ as their development solution," stated Ken Rosenreid, engineering manager at CEMAX-ICON, a leading **software** manufacturer and **network system** integrator of **medical image** management **systems** . "We had it up and running the same day we **received** it. Since then even with high volumes of code, we are able to easily reference...

15/3,K/33 (Item 22 from file: 16)

DIALOG(R)File 16:Gale Group PROMT(R)

03716984 Supplier Number: 45267004 (USE FORMAT 7 FOR FULLTEXT)
1994 WAS THE YEAR OF MORE OF THE SAME AS NETWORKS, VENDORS MADE SLOW HEADWAY
En Route Technology, v4, pN/A
Jan 16, 1995
Language: English Record Type: Fulltext
Document Type: Newsletter; Trade
Word Count: 1702

... records (including potentially harmful drug interactions), to prescribe drugs and complete insurance forms.
Med-E- **Systems** is writing gateway **software** that allows **medical data** to be **transmitted** via different packet radio **networks** (such as Metricom and Ardis). All the **medical data** is routed through Med-E- **Systems** 's gateway, which formats and filters it for wireless delivery.
Coded Communications in Carlsbad, Calif...

15/3,K/34 (Item 23 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)

03568776 Supplier Number: 45015638 (USE FORMAT 7 FOR FULLTEXT)
MED-E-SYSTEMS, METRICOM TO OFFER DOCTORS WIRELESS DATABASE ACCESS IN DEARBORN
En Route Technology, v3, n19, pN/A
Sept 26, 1994
Language: English Record Type: Fulltext
Document Type: Newsletter; Trade
Word Count: 715

... Systems also is discussing wireless ventures with Ram and Ardis. The company is writing gateway **software** that allows the **medical data** to be **transmitted** via those packet radio **networks** as well as Metricom's. All the **medical data** goes through Med-E- **Systems** ' gateway, which formats and filters the information for wireless delivery.

15/3,K/35 (Item 24 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)

03474733 Supplier Number: 44853963 (USE FORMAT 7 FOR FULLTEXT)
BELLSOUTH VIEWS IN-BUILDING CELLULAR, CDPD TRIAL AS PCS OFFERING
Advanced Wireless Communications, pN/A
July 20, 1994
Language: English Record Type: Fulltext
Document Type: Newsletter; Trade
Word Count: 961

... during the first quarter of 1995, CDPD service will be added to the in-building **system** allowing trial participants to **send** data over the cellular **network** . The CDPD **application** will mainly be used to **send medical data** from handheld **devices** , likely through a **device** separate from the handset, to the school's mainframe computer and external databases.
BellSouth expects...

15/3,K/36 (Item 25 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)

03285781 Supplier Number: 44531265
A SATELLITE SYSTEM IS PLANNED TO LINK MOST OF THE GLOBE: GOAL OF 2 ENTREPRENEURS
The New York Times, pA1
March 21, 1994
Language: English Record Type: Abstract
Document Type: Newspaper; General

ABSTRACT:
...the largest cellular telephone company, and Gates as chairman/CEO turned Microsoft into the largest **software** company worldwide. The **network** would **transmit** ordinary telephone calls, high-resolution computerized **medical** images and 2-way video conferences. 'The real promise of this **system** is to bring access for rural and remote areas of the world to the health...

15/3,K/37 (Item 26 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)

03230808 Supplier Number: 44436772 (USE FORMAT 7 FOR FULLTEXT)
Unix software distributor broadens line card
Computer Reseller News, p157
Feb 14, 1994
Language: English Record Type: Fulltext
Document Type: Magazine/Journal; Trade
Word Count: 470

... increasingly demanding they do business electronically.
Cleo allows up to 32 users on a Unix **system** to access a mainframe for such **applications** as **electronic** **data** interchange, filing **medical** claims, **electronic** funds **transfers** and point-of-sale data gathering, he said.
The third product, an integrated small-business...

15/3,K/38 (Item 27 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)

02762924 Supplier Number: 43703547
BUSINESS TECHNOLOGY: Data Can Move 45,000 Times Faster, for a Price
The New York Times, pC4
March 10, 1993
Language: English Record Type: Abstract
Document Type: Newspaper; General

ABSTRACT:
...faster. The format has been endorsed by many phone companies, the largest customers for such **systems** .
ATM technology offers a single standard way to **transmit** information, including **electronic** books, high-definition movies or 3-dimensional **medical** **images** . It eliminates the need for traditional ' **protocol**

conversion,' or technical translation, of the information packets along the way, and, unlike earlier formats...

15/3,K/39 (Item 28 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)

02206041 Supplier Number: 42873445 (USE FORMAT 7 FOR FULLTEXT)
Sampling the potential benefits of SMDS service
Communications News, p55
April, 1992
Language: English Record Type: Fulltext
Document Type: Magazine/Journal; Trade
Word Count: 212

... very powerful and economic method," says Stan Barber, Baylor University's director of network and **systems** support.
Applications being tested over the SMDS **network** include a facility planning and design computer-aided manufacturing **system , medical image transfer** , local area **network** interconnection and computational biology.
The trial is running at T1 speed, 1.544 Mb/s...

15/3,K/40 (Item 29 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)

02041063 Supplier Number: 42633468 (USE FORMAT 7 FOR FULLTEXT)
SMDS gets high marks in test of data, imaging
Communications News, p50
Jan, 1992
Language: English Record Type: Fulltext
Document Type: Magazine/Journal; Trade
Word Count: 314

Stanford experimented with **applications** such as **medical imaging** , interconnection of data **networks** , high-speed data **transmission** and customer **network** management.
The university interconnected its campus **medical** center and **information systems** lab with the Advanced Imaging Center in nearby Menlo Park, allowing electronic **transmission** of X-rays and magnetic resonance images.
In another imaging application, high-resolution satellite images...

15/3,K/41 (Item 30 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)

02000663 Supplier Number: 42566934 (USE FORMAT 7 FOR FULLTEXT)
ELECTRONIC FILM LIBRARY PREVENTS FILM LOSS, CUTS COSTS
News Release, p1
Dec 2, 1991
Language: English Record Type: Fulltext
Document Type: Magazine/Journal; Trade
Word Count: 747

... 200

devices with both analog and digital output.

The electronic film library is just one **application** of the Kodak Ektascan Imagelink **system** , which uses open architecture, including ACR-NEMA interfacing, to capture, **transmit** and **network** , store and retrieve, and display and print **diagnostic** **images** and **information**

Modular design lets the user start small and expand capability as needs require and finances...

15/3,K/42 (Item 31 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)

02000662 Supplier Number: 42566933 (USE FORMAT 7 FOR FULLTEXT)
ELECTRONIC ALTERNATOR SHORTENS DIAGNOSTIC CYCLE, REDUCES RE-EXAMS
News Release, p1
Dec 2, 1991
Language: English Record Type: Fulltext
Document Type: Magazine/Journal; Trade
Word Count: 443

... single Kodak Ektascan Imagelink 14-inch optical library can store a million or more digital **diagnostic** **images** in just 21 square feet of floor space.

The **electronic** alternator is just one **application** of the Kodak Ektascan Imagelink **system** , which uses open architecture, including ACR-NEMA interfacing, to capture, **transmit** and **network** , store and retrieve, and display and print **diagnostic** **images** and **information**

Modular design lets the user start small and expand capability as needs require and finances...

15/3,K/43 (Item 32 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)

02000657 Supplier Number: 42566927 (USE FORMAT 7 FOR FULLTEXT)
CRITICAL CARE SYSTEM IMPROVES IMAGE CONSISTENCY AND AVAILABILITY
News Release, p1
Dec 2, 1991
Language: English Record Type: Fulltext
Document Type: Magazine/Journal; Trade
Word Count: 753

... entry is required on the part of the technologist.

Critical care imaging is just one **application** of the Kodak Ektascan Imagelink **system** , which uses open architecture, including ACR-NEMA interfacing, to capture, **transmit** and **network** , store and retrieve, and display and print **diagnostic** **images** and **information** . Modular design lets the user start small and expand capability as needs require and finances...

15/3,K/44 (Item 33 from file: 16)

DIALOG(R)File 16:Gale Group PROMT(R)

01974644 Supplier Number: 42527521 (USE FORMAT 7 FOR FULLTEXT)
Southwestern Bell Tests SMDS
CommunicationsWeek, p19
Nov 18, 1991
Language: English Record Type: Fulltext
Document Type: Newsletter; Trade
Word Count: 73

(USE FORMAT 7 FOR FULLTEXT)
TEXT:
...trial will last about a year and involves eight locations, said Southwestern Bell, St. Louis. **Applications** to be tested include medical image **transfer** of CAT **scans** , **X - rays** and pathology slides. AT&T **Network Systems** ' prototype BNS-2000 switch will be used.

15/3,K/45 (Item 34 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)

01967334 Supplier Number: 42516806 (USE FORMAT 7 FOR FULLTEXT)
TELRAD INTRODUCES MINIATURE ISDN D-CHANNEL TERMINAL ADAPTOR
News Release, p1
Nov 12, 1991
Language: English Record Type: Fulltext
Document Type: Magazine/Journal; Trade
Word Count: 414

... efficient accessing of the X.25 channels of a passive bus.

ISDN technology permits the **transmission** of both voice and data simultaneously over the same telephone **transmission system** . Video conferencing, computer screen sharing, **networking** of PCs, **information** retrieval, and **medical image transmission** are among the current **applications** for Telrad ISDN products, but the range of potential uses remains enormous.

The TelradPAC adaptor...

15/3,K/46 (Item 35 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)

01908745 Supplier Number: 42430863 (USE FORMAT 7 FOR FULLTEXT)
SIEMENS STROMBERG-CARLSON DEMONSTRATES 140 MEGABITS PER SECOND MAN CLUSTER
PR Newswire, p1
Oct 9, 1991
Language: English Record Type: Fulltext
Document Type: Newswire; Trade
Word Count: 321

... deliver a wealth of new applications over the public network."

In its medical imaging MAN **application** , Siemens Stromberg- Carlson will demonstrate the **transmission** of **diagnostic** quality **medical images** across the public **network** . This is made possible by remote **medical imaging** workstations such as the Siemens LiteBox (TM), a personal computer-based **system** for storing, viewing and manipulating complex medical images. Located in physician's homes, offices or...

15/3,K/47 (Item 36 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)

01877210 Supplier Number: 42383319 (USE FORMAT 7 FOR FULLTEXT)
DSC ANNOUNCES BASIS (TM): New Revenue Service Platform for Carriers With Bandwidth on Demand for High-Speed Applications
News Release, p1
Sept 24, 1991
Language: English Record Type: Fulltext
Document Type: Magazine/Journal; Trade
Word Count: 369

... have bandwidth on demand. This fundamental capability serves as the foundation for numerous high-speed **applications** existing in the market today, including video teleconferencing, **medical imaging** , high-speed FAX **transmission** , and **LAN** interconnection. By employing usage-sensitive billing and avoiding changes to customer premises **equipment** , BASIS affords a cost- effective means of providing these **applications** .

The public switch service capability of BASIS enables customer-to-customer connections at data rates...

15/3,K/48 (Item 37 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)

01845723 Supplier Number: 42336494 (USE FORMAT 7 FOR FULLTEXT)
NORTHERN TELECOM
Electronic News (1991), p38A
Sept 2, 1991
Language: English Record Type: Fulltext
Document Type: Magazine/Journal; Trade
Word Count: 913

... voice system, integrated terminals, business telephone sets, electronic and key telephone sets, telephones for special **applications** , subscriber carrier systems, digital microwave radio **systems** , digital multiplex **transmission systems** , optical fiber **systems** , channel banks, memory **systems** , **data** test and **diagnostics** , **network** support **systems** and test **systems** , outside plant products.
Northern Telecom World Trade Corp., Islington, Ont.
Northern Telecom AG, Zurich, Switzerland...

15/3,K/49 (Item 38 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)

01441616 Supplier Number: 41728643
US Sprint offers speedy medical image transport
Network World, p25
Dec 10, 1990
Language: English Record Type: Abstract
Document Type: Magazine/Journal; Trade

ABSTRACT:
US Sprint Communications has unveiled a service that allows **medical images** to be **transmitted** quickly. The Healthcare **Application Network** Delivery **System** (HANDS) can transport **X - rays** , CAT **scans** , and other **diagnostic images** between hospitals in seconds. The service is built around the company's Nx56 service, and...

15/3,K/50 (Item 39 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)

01157257 Supplier Number: 41316688
Raycom initial FDDI product offers high speed Ethernet connectivity
News Release, p1
May 3, 1990
Language: English Record Type: Abstract
Document Type: Magazine/Journal; Trade

ABSTRACT:
...Ethernet network. The DIM maintains over 80 management objects accessible to the Raycom Network Management **System** (NMS). In addition to standard bridging statistics, these objects include performance and **diagnostic data** normally found in **network** analyzers. Among these objects are **protocol** type and frame size histograms, high resolution measurements of peak filtering, **forwarding** and throughput rates and various LAN diagnostic statistics. Alarm thresholds are provided for the complete...

15/3,K/51 (Item 40 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)

01036034 Supplier Number: 41139717
Clear Communications, Larse to build interface
Network World, p15
Jan 29, 1990
Language: English Record Type: Abstract
Document Type: Magazine/Journal; Trade

ABSTRACT:
...and the latter's channel service unit (CSU). The offering allows Larse's intelligent T1 **Network** Diagnostic **System** (TNDS) CSUs to **send** T1 **diagnostic info** to Clear Communications' performance monitoring **software** . Clear Communications will also integrate its Clearview T1 Surveillance System with Larse's Integra-T...

15/3,K/52 (Item 1 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB

10571689 SUPPLIER NUMBER: 53132108 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Canopy Computing: Using the Web in Clinical Practice.
McDonald, C.J.; Overhage, J.M.; Dexter, P.R.; Blevins, L.; Meeks-Johnson, J.; Suico, J.G.; Tucker, M.C.; Schadow, G.
JAMA, The Journal of the American Medical Association, 1325(1)
Oct 21, 1998
ISSN: 0098-7484 LANGUAGE: English RECORD TYPE: Fulltext; Abstract
WORD COUNT: 4903 LINE COUNT: 00412

... relatively easy to "wrap" (add a layer of program code on top of the existing **program** that makes it operate on a **browser**) legacy **systems** (older **medical information systems** that run on mainframes and minicomputers), especially those that **transmit** entire screens to a terminal in HTML browser technology.
On the horizon is an even...

15/3,K/53 (Item 2 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
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10156992 SUPPLIER NUMBER: 20027527 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Monitoring system saves $1.4 million in first year. (Barnes Jewish Hospital's use of VitalCom's PC-based network solution and OpenNet software) (Company Operations)
Hendrickson, Patty
Health Management Technology, v18, n12, p34(1)
Nov, 1997
ISSN: 1074-4770 LANGUAGE: English RECORD TYPE: Fulltext; Abstract
WORD COUNT: 725 LINE COUNT: 00064

...ABSTRACT: as ECG, blood pressure, end-tidal CO2, pulse oximetry, respiration and temperature. VitalCom's OpenNet **program** affords BJH increased flexibility by connecting with several top manufacturers' bedside **equipment** . OpenNet also enables BJH to **transfer** patient **information** into **electronic medical** records and back-end clinical repositories. BJH is predicting that the VitalCom solution will reap...

15/3,K/54 (Item 3 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
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10026951 SUPPLIER NUMBER: 20301137 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Network adapters gain gigabit support. (Intel, DEC, 3Com all planning rollouts) (Company Business and Marketing)(Brief Article)
Nobel, Carmen
PC Week, v15, n7, p122(1)
Feb 16, 1998
DOCUMENT TYPE: Brief Article ISSN: 0740-1604 LANGUAGE: English
RECORD TYPE: Fulltext
WORD COUNT: 475 LINE COUNT: 00039

... agreed. "It will definitely help us because we use a lot of bandwidth on the **network** for **transferring** large amounts of **medical imaging** ," said Ha Nguyen, a senior **software** engineer at Marquette Medical **Systems** Inc., in Torrance, Calif.
Still, analysts said Gigabit NICs won't hit the mass market...

15/3,K/55 (Item 4 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB

10014536 SUPPLIER NUMBER: 20228671 (USE FORMAT 7 OR 9 FOR FULL TEXT)
PHP Healthcare Selects The Medical Manager Software To Build Its Largest Healthcare Network
PR Newswire, p211NYW054
Feb 11, 1998
LANGUAGE: English RECORD TYPE: Fulltext
WORD COUNT: 827 LINE COUNT: 00075

... clinical and practice management needs of physicians. Since its development in 1982, The Medical Manager **software** has grown to become the most widely installed physician practice management **system** in the United States. Further **information** about The **Medical** Manager **software** is available **on - line** at http:// **www** .medicalmanager.com.
This press release contains **forward** -looking statements within the meaning of the Private Securities Litigation Act of 1995 (the "Act...

15/3,K/56 (Item 5 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB

09727626 SUPPLIER NUMBER: 19753270 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Medical Manager Corporation and National Data Corporation Announce Strategic Alliance
PR Newswire, p915NYM075
Sep 15, 1997
LANGUAGE: English RECORD TYPE: Fulltext
WORD COUNT: 839 LINE COUNT: 00078

... clinical and practice management needs of physicians. Since its development in 1982, The Medical Manager **software** has grown to become the most widely installed physician practice management **system** in the United States.
Further **information** about The **Medical** Manager **software** is available **on - line** at http:// **www** .medicalmanager.com
This press release contains **forward** -looking statements within the meaning of the Private Securities Litigation Act of 1995 (the "Act...

15/3,K/57 (Item 6 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB

09658678 SUPPLIER NUMBER: 19433259 (USE FORMAT 7 OR 9 FOR FULL TEXT)
DICOM: a standard for medical image communication? (Digital Imaging and Communications in Medicine 3.0)
Davis, Andrew W.
Advanced Imaging, v12, n2, p36(3)
Feb, 1997
ISSN: 1042-0711 LANGUAGE: English RECORD TYPE: Fulltext
WORD COUNT: 2438 LINE COUNT: 00204

... the Concord Consulting Group (Concord MA), "The acquisition of information implies much more than simply **transferring** bits reliably over a **network** . **Medical image data** must be associated with other information to permit the **receiving system** to fully exploit the

images." So DICOM addresses both **protocol** language issues and data content issues, an extremely complicated situation.
Object basis impact
DICOM 3...

15/3,K/58 (Item 7 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
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08979418 SUPPLIER NUMBER: 18692999 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Lilly's $4B Health-Net gamble. (Eli Lilly & Co.) (Company Business and Marketing)
Gambon, Jill
InformationWeek, n597, p93(2)
Sep 16, 1996
ISSN: 8750-6874 LANGUAGE: English RECORD TYPE: Fulltext; Abstract
WORD COUNT: 1202 LINE COUNT: 00103

... access the PCS database.
Before IMS was acquired by Lilly, it offered groups of doctors **online** administrative **information** , lab, **medical** records, and messaging over a dial-up **network** . But the **system** didn't support real-time queries or other interactive **applications** ; data **transmission** was, by comparison, "rudimentary," says Kevin Moley, IMS president.
Lilly's subsidiaries have started migrating...

15/3,K/59 (Item 8 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
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08753457 SUPPLIER NUMBER: 18371289 (USE FORMAT 7 OR 9 FOR FULL TEXT)
IRDA-protocol IR links make 35-fold leap in data-transfer speed. (Infrared Data Association's wireless transfer protocol)
Travis, Bill
EDN, v41, n8, p63(7)
April 11, 1996
ISSN: 0012-7515 LANGUAGE: English RECORD TYPE: Fulltext; Abstract
WORD COUNT: 2220 LINE COUNT: 00201

... camera
Transfer digital video to disk
Portable printers with IR ports
Police, military, industrial uses
Medical Walk-up **data** collection from **medical equipment**
Industrial **Data** collection, **programming** , **diagnostics**
Automotive Drive-up, point-and-shoot diagnostics
Electronic commerce Drive-through payment at tollbooths
Download electronic cash from ATM
Pay with electronic cash at registers
RELATED ARTICLE: FOR FREE INFORMATION...

15/3,K/60 (Item 9 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
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08728654 SUPPLIER NUMBER: 18376895 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Secretary of Energy Hazel R. O'Leary receives superconductivity leadership award; Recognized for efforts to commercialize superconductor technology.
Business Wire, p6121046
June 12, 1996
LANGUAGE: English RECORD TYPE: Fulltext
WORD COUNT: 623 LINE COUNT: 00059

... Applications are being developed and implemented in a wide array of markets, including electric utility **equipment** , high-energy physics, diagnostic **medical** magnetic resonance **imaging** and **electronics applications** such as filters for cellular base stations and **receivers** for magnetic resonance imaging.

The Council on Superconductivity for American Competitiveness (CSAC) is the national...

15/3,K/61 (Item 10 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
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08389128 SUPPLIER NUMBER: 17996700 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Voice-enabled tools aid Win 95 support; AnswerStation links help desks. (Microsoft's help desk software) (Product Announcement)
Foley, Mary Jo
PC Week, v13, n1, p19(2)
Jan 8, 1996
DOCUMENT TYPE: Product Announcement ISSN: 0740-1604 LANGUAGE: English RECORD TYPE: Fulltext; Abstract
WORD COUNT: 418 LINE COUNT: 00039

...ABSTRACT: file/driver updates, shared clipboard, remote registry query, log viewing restore and configuration backup. The **diagnostic information** can be **downloaded** or accessed **online** . The **application** is based on AnswerAgent technology, which also records a **system** summary and allows the support personnel to examine systems information and file attributes. AnswerStation will...

15/3,K/62 (Item 11 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
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08219327 SUPPLIER NUMBER: 17422192 (USE FORMAT 7 OR 9 FOR FULL TEXT)
SUN SLICES COST OF EMBEDDED SOLARIS DEVELOPMENT; 85/110 MHZ SPARCENGINE 5 PRICES DOWN AS MUCH AS 20%
PR Newswire, p1023SJ004
Oct 23, 1995
LANGUAGE: English RECORD TYPE: Fulltext
WORD COUNT: 541 LINE COUNT: 00057

... products including Sun Microsystems' PCMCIA, FDDI, ATM, ISDN, and 100-Mbit Ethernet Sbus cards and **protocol software** .

Companies using Solaris as an embedded operating **system** include Kodak (digital print stations), Texas Microsystems Inc. (telephony **servers**), Bay **Networks** (switching hubs), Codonics (**medical image** printers), and Siemens (telecommunications **transmission systems**).

SPARC Technology Business, a division of Sun Microsystems Inc., was formed in April 1993 to...

15/3,K/63 (Item 12 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
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08198053 SUPPLIER NUMBER: 17605309 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Industry first 100 MB/second fibre channel-based raid controller and subsystem from Symbios Logic previews an agressive I/O technology strategy with far-reaching market and customer benefits.
Business Wire, p10101190
Oct 10, 1995
LANGUAGE: English RECORD TYPE: Fulltext
WORD COUNT: 1027 LINE COUNT: 00099

... immediately from OEMs seeking to design systems that can keep up with the extraordinary data **transfer** rates and large file sizes associated with data-intensive and high-speed **networking applications** . These range from **medical imaging** , real-time video, multimedia, and voice processing to image-based document management **systems** , geophysical mapping, satellite imaging, CAD/CAE, and scientific visualization.
To meet this need, according to...

15/3,K/64 (Item 13 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
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07982466 SUPPLIER NUMBER: 17133956 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Managed care organizations, hospitals, doctors, and insurers are developing new entities to compete for business.(integrated delivery systems)(special edition: The State of Health Care in America 1995)
Lopez, Lisa
Business & Health, v13, nSPEISS, p31(5)
Annual, 1995
ISSN: 0739-9413 LANGUAGE: English RECORD TYPE: Fulltext; Abstract
WORD COUNT: 2876 LINE COUNT: 00249

... are a way for physicians to start thinking about how we deliver care throughout our **system** ."
INFORMATION **SYSTEM** CHALLENGES
As integrated delivery **networks** grow, administrators will need to **transmit medical** and administrative **information electronically** across diverse health care facilities and apply uniform practice **protocols** for a range of services, including preventive, primary, rehabilitative, and long-term care. Information networks...

15/3,K/65 (Item 14 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
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07494649 SUPPLIER NUMBER: 16181920 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Maryland medical centers link health technology. (Enterprise Computing/Management)
Valigra, Lori
InfoWorld, v16, n32, p58(1)
August 8, 1994
ISSN: 0199-6649 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 1119 LINE COUNT: 00088

...ABSTRACT: are an important factor in reconstructing the facial deformities and skull fractures of children. The **network** , which features an high-tech **medical image** database and archiving **system** , is the cornerstone of a cranial/facial test **program** begun 18 months ago. UMMC is employing the network to **send** detailed CAT scans and MRIs to Johns Hopkins for research. Researchers at John Hopkins can...

15/3,K/66 (Item 15 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB

07305321 SUPPLIER NUMBER: 16124820 (USE FORMAT 7 OR 9 FOR FULL TEXT)
MCI's broadband telecommunications solutions for demanding imaging apps. (MCI Communications Corp.)
Weichselbaum, Paul
Advanced Imaging, v9, n6, p42(2)
June, 1994
ISSN: 1042-0711 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT
WORD COUNT: 1671 LINE COUNT: 00140

... hopes to make available commercially. The company, which specializes in developing and integrating advanced information **systems** and services, commercializes numerous **applications** that involve image processing technologies.

In the **medical imaging** area, TASC is now using MCI's ATM **network** to **transmit** three-dimensional patient images, such as reconstructed **MRI images** of the human brain, from computers in Reading MA to computers in Richardson TX. Once...

15/3,K/67 (Item 16 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB

07238196 SUPPLIER NUMBER: 15352617 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Dallas imaging consortium: a model for promoting regional business? (Dallas, Texas; Center for Advanced Electronic Imaging) (Sum of the Parts) (Column)
Anderson, Paul I.
Advanced Imaging, v9, n3, p71(3)
March, 1994
DOCUMENT TYPE: Column ISSN: 1042-0711 LANGUAGE: ENGLISH
RECORD TYPE: FULLTEXT
WORD COUNT: 1794 LINE COUNT: 00152

... Dr. Kim's tutorial session was followed by an introduction by Kodak management to their **application** of lossless **transmission** techniques to medical imaging **systems** . Kodak Health Imaging **Systems** , Inc., a Texas-based company, sells **medical diagnostic imaging systems** which are designed to capture, **network** , store and retrieve, display and print **images** generated by **MRI** and CT **scanners** as well as X-ray images under the name Kodak Ektascan Imagelink.

This combination of...

15/3,K/68 (Item 17 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB

07221179 SUPPLIER NUMBER: 15068645 (USE FORMAT 7 OR 9 FOR FULL TEXT)
1994 market directory issue: more than 600 information technology company listings. (vendors of health technology-related products and services, organizations and events) (Directory)
Health Management Technology, v15, n3, p14(113)
Feb 15, 1994
DOCUMENT TYPE: Directory LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 69033 LINE COUNT: 06228

... INstalled: 2,500 Price Range: $7,100 Product Name: Metropolitan Area Networking Bridge (LCB) Primary **Application** : LAN/WAN
LANcity provides high-speed 10mbps Ethernet data connectivity over CATV **systems** up to 70 miles away. This unique metropolitan-area **networking** solution allows hospitals, doctors' offices and medical centers to **transfer medical information** in a distributed format.
LANDACORP 1370 Ridgewood Dr., Ste. #7 Chico, CA 95926 (916) 891...

15/3,K/69 (Item 18 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB

06701740 SUPPLIER NUMBER: 14354802 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Network General introduces analysis for notebooks. (Notebook Sniffer Analyzer) (Network Edition: New & Improved)(Brief Article) (Product Announcement)
PC Magazine, v12, n16, pNE40(1)
Sept 28, 1993
DOCUMENT TYPE: Product Announcement ISSN: 0888-8507 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT
WORD COUNT: 146 LINE COUNT: 00012

... automatic identification and notification of common network problems that may occur at all seven Open **Systems** Interconnection (OSI) layers. The **software** provides **diagnostic information** by identifying **network** configurations, then analyzes that information. **Network** managers can now identify such network problems as slow file **transfers** , misconfigured routers, and broadcast storms--all on the compact platform of a notebook computer.

15/3,K/70 (Item 19 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB

06518987 SUPPLIER NUMBER: 13863509 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Special report: taking the pain out of health care: Pacific Bell creates HealthLink.
Document Delivery World, v9, n3, p41(2)
April-May, 1993
ISSN: 1067-0815 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT
WORD COUNT: 1164 LINE COUNT: 00101

... Westford, Massachusetts. It will enable the transport, review, and storage of X-rays and other **medical images** . Pacific Bell will provide **network transmission** services, while Advanced Video Products provides hardware and **software systems** for image acquisition, display, enhancement, and storage. These systems have cost and efficiency advantages over...

15/3,K/71 (Item 20 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB

06515143 SUPPLIER NUMBER: 14102458 (USE FORMAT 7 OR 9 FOR FULL TEXT)
SMDS service one year after kickoff. (Switched Multimegabit Data Service)
Aber, Robyn
Business Communications Review, v23, n6, p51(4)
June, 1993
ISSN: 0162-3885 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 2930 LINE COUNT: 00237

... applying end user network computing technology. Samford has formed a users group called the STAR (**Systems** , Technologies and Resources) Consortium, which wants to create a wide-area **network** for shared **applications** , such as database access, **medical** records and **imaging** exchange, CAD/CAM, insurance file **transfer** , etc.
BellSouth is currently offering TI SMDS service in Charlotte, Nashville, Atlanta and Birmingham. To...

15/3,K/72 (Item 21 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB

06508476 SUPPLIER NUMBER: 14384163 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Neural networks take on optics. (new research on neural network computing) (Technology)
Wilson, Richard
Electronics Weekly, n1639, p16(1)
May 19, 1993
ISSN: 0013-5224 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 821 LINE COUNT: 00064

... when the image has moved. This could have important implications for the recognition of moving **images** in **medical applications** . But like most neural **network** research the Dublin work is still around ten years away from commercial **systems** , according to Prof Hegarty, but he believes it is an important step **forward** adding: "We are now another horse in the race."

15/3,K/73 (Item 22 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB

06405176 SUPPLIER NUMBER: 13641431 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Health care: Pacific Bell strategy for serving industry. (HealthLink business solutions)
EDGE, on & about AT&T, v8, n241, p24(1)
March 8, 1993
LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT
WORD COUNT: 192 LINE COUNT: 00016

... Westford, Mass. It will enable the transport, review, and storage of X-rays and other **medical images** .
Pacific Bell will provide **network transmission** services, while Advanced Video Products provides hardware and **software systems** for

image acquisition, display, enhancement and storage. These systems have cost and efficiency advantages over...

15/3,K/74 (Item 23 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
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06196006 SUPPLIER NUMBER: 13077557 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Looking at the leaders '92. (top 50 global leaders in electronics industry have 3.6 percent sales growth) (Directory)
Daly, Virginia A.
Electronic News (1991), v38, n1942, pS1(18)
Dec 14, 1992
DOCUMENT TYPE: Directory ISSN: 1061-6624 LANGUAGE: ENGLISH
RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 29653 LINE COUNT: 03106

... voice system, integrated terminals, business telephone sets, electronic and key telephone sets, telephones for special **applications** , subscriber carrier systems, digital microwave radio **systems** , digital multiplex **transmission systems** , optical fiber **systems** , channel banks, memory **systems** , **data** test and **diagnostics** , **network** support **systems** and test **systems** , outside plant products.
*Northern Telecom (Ireland) Ltd., Galway, Republic of Ireland.
*Northern Telecom (Northern Ireland...

15/3,K/75 (Item 24 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
(c)2003 The Gale Group. All rts. reserv.

06101807 SUPPLIER NUMBER: 12558185 (USE FORMAT 7 OR 9 FOR FULL TEXT)
KODAK ANNOUNCES NEW ALLIANCES, FORMATS, COMMERCIAL USES FOR PHOTO CD
PR Newswire, 0825A2812
August 25, 1992
LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT
WORD COUNT: 700 LINE COUNT: 00059

... and
-- The Kodak Photo CD Medical disc, that can store x-rays as well as **electronic images** for **medical applications** .
The commercial hardware **systems** include:
-- The Kodak Professional Photo CD Imaging Workstation 4200, to **transfer** images from large-format professional films to Pro Photo CD discs;
-- The Kodak PIW 2400...

15/3,K/76 (Item 25 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
(c)2003 The Gale Group. All rts. reserv.

05592946 SUPPLIER NUMBER: 12399671 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Manufacturers. (laser industry) (The 1992 Buyers Guide) (Directory)
Laser Focus World, v27, nSPEISS, p746(155)
Dec 15, 1991
DOCUMENT TYPE: Directory ISSN: 0740-2511 LANGUAGE: ENGLISH
RECORD TYPE: FULLTEXT
WORD COUNT: 139277 LINE COUNT: 11434

... sr sci, Ley Razamat; emp 12, 1990 Provides R&D and manufacture of optical communication **systems** for high-speed analog and digital **data** atmospheric **transmission** . Emphasis is no short-range wide FOV transceivers with **applications** in robotics, medical electronics, surveillance and transportation, particularly in those cases where there is relative...

15/3,K/77 (Item 26 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
(c)2003 The Gale Group. All rts. reserv.

05585104 SUPPLIER NUMBER: 11264287 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Foreign companies. (Looking at the leaders 1991) (directory)
Chilton's Electronic News, v37, n1876, p31A(14)
Sept 2, 1991
DOCUMENT TYPE: directory ISSN: 1054-6847 LANGUAGE: ENGLISH
RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 17636 LINE COUNT: 01886

... voice system, integrated terminals, business telephone sets, electronic and key telephone sets, telephones for special **applications** , subscriber carrier systems, digital microwave radio **systems** , digital multiplex **transmission systems** , optical fiber **systems** , channel banks, memory **systems** , **data** test and **diagnostics** , **network** support **systems** and tests **systems** , outside plant products.
Northern Telecom World Trade Corp., Islington, Ont.
Northern Telecom AG, Zurich, Switzerland...

15/3,K/78 (Item 27 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
(c)2003 The Gale Group. All rts. reserv.

05495513 SUPPLIER NUMBER: 11455244 (USE FORMAT 7 OR 9 FOR FULL TEXT)
PacBell ends experiments with SMDS; will introduce service next year. (Pacific Bell, Switched Multimegabit Data Service)
Telephone News, v12, n33, p6(1)
Nov 4, 1991
ISSN: 0271-5430 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT
WORD COUNT: 312 LINE COUNT: 00029

... Apple Computer, Stanford University, SUN Microsystems, Tandem Computer, Pacific Gas and Electric Co., and Cisco **Systems** .
Stanford University successfully experimented with several **applications -- medical imaging** , interconnection of data **networks** , high-speed data **transmission** and customer **network** management.
The university interconnected its campus **medical** center and **information systems** laboratory with the Advanced Imaging Center in nearby Menlo Park, allowing the electronic transmission of...

15/3,K/79 (Item 28 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
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05476774 SUPPLIER NUMBER: 11463567 (USE FORMAT 7 OR 9 FOR FULL TEXT)
SMDS tests: Pacific Bell announces successful results. (Switched Multimegabit Data Service)

EDGE, on & about AT&T, v6, n167, p4(1)
Oct 7, 1991
LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT
WORD COUNT: 850 LINE COUNT: 00079

... were Apple Computer, Stanford University, SUN Microsystems, Tandem Computer, Pacific Gas & Electric Company, and Cisco **Systems** .
Stanford University experimented with several **applications** -- **medical imaging** , interconnection of data **networks** , high-speed data **transmission** and customer **network** management--finding SMDS worked successfully in each case. The university interconnected its campus medical center...

15/3,K/80 (Item 29 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
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05143053 SUPPLIER NUMBER: 10656096 (USE FORMAT 7 OR 9 FOR FULL TEXT)
AT&T, Ameritech partner in SONET. (synchronous optical network)
Karpinski, Richard
Telephony, v220, n14, p9(2)
April 8, 1991
ISSN: 0040-2656 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 539 LINE COUNT: 00044

... university will do a shakedown of the network's capabilities, performing basic high-speed data **transfers** and testing the **equipment** 's network management and congestion control capabilities. Later, the **network** could be used to run **applications** such as **medical imaging** or multimedia digital library access at DS3 speeds.
The field trial follows the completion of...

15/3,K/81 (Item 30 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
(c)2003 The Gale Group. All rts. reserv.

05100511 SUPPLIER NUMBER: 10329425 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Teleradiology prospects coming into sharp focus; cross-country diagnostic tool could become commonplace.
Gareiss, Robin
American Medical News, v34, n5, p11(2)
Feb 4, 1991
ISSN: 0001-1843 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT
WORD COUNT: 1799 LINE COUNT: 00144

... and Eastman Kodak Co., Rochester, N.Y., have teamed up to manufacture the hardware and **software** needed to **transfer medical images** .
The **equipment** enables physicians to capture, **network** , store, retrieve, display and print images, says Michael Shiff, Vortech vice president of marketing and...

15/3,K/82 (Item 31 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
(c)2003 The Gale Group. All rts. reserv.

04827882 SUPPLIER NUMBER: 08918140 (USE FORMAT 7 OR 9 FOR FULL TEXT)

A multifunction satellite network for Taiwan.
Simha, Sesh; Ong Chong
Satellite Communications, v14, n10, p30(2)
Oct, 1990
ISSN: 0147-7439 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT
WORD COUNT: 1384 LINE COUNT: 00112

... an as-needed basis. HNS engineers are able to remotely assume control of the LDTA **system** , and **electronically transfer** status **information** , **diagnostics** reports and **software** back and forth. The 1/2 day time difference conveniently gives the engineers in Germantown...

15/3,K/83 (Item 32 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
(c)2003 The Gale Group. All rts. reserv.

04783999 SUPPLIER NUMBER: 08800624 (USE FORMAT 7 OR 9 FOR FULL TEXT)
IBM announcements. (product announcement)
Computergram International, n1486, CGI08080010
August 8, 1990
DOCUMENT TYPE: product announcement ISSN: 0268-716X LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT
WORD COUNT: 988 LINE COUNT: 00081

... 24, 1990 in the US. An Offering Request Form specifying the desired toolkits must be **received** by IBM on or before November 24, 1990.
New Imageplus-based **software** patient- record **system** for AS/400
IBM has announced a new **image** -based patient **medical** records **system** for hospitals that runs on **networked** AS/400 machines. IBM says that an average patient's record can include from 75...

15/3,K/84 (Item 33 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
(c)2003 The Gale Group. All rts. reserv.

03897711 SUPPLIER NUMBER: 07488513 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Expand your NMR spectrometer capabilities with a workstation. (nuclear magnetic resonance) (includes related article about reduced instruction set computers)
Smallcombe, Stephen; Patt, Steven; Sepanloo, Robert
Research & Development, v31, n3A, p46(6)
March 21, 1989
LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT
WORD COUNT: 2497 LINE COUNT: 00210

... compatibility with any other MC68000-based NMR spectrometer.
The protocol also coexists with other networking **protocols** , such as DECnet, TCP/IP, and Sun NFS, so that the **NMR data** can be **transferred** by these **networking protocols** to many other types of computer **systems** . This enables maximum use of other general-purpose computing facilities for off-line data processing...

15/3,K/85 (Item 1 from file: 160)
DIALOG(R)File 160:Gale Group PROMT(R)
(c) 1999 The Gale Group. All rts. reserv.

02075637

News digest: VHA, AT&T sign three group purchasing pacts
Modern Healthcare November 25, 1988 p. 8
ISSN: 0160-7480

Voluntary Hospitals of America (Irving, TX) will **receive** long-distance services, telephone **equipment** , computers, **software** and a **medical data** exchange **network** from AT&T under 3 group purchasing pacts worth $115 mil. The information network will...

15/3,K/86 (Item 2 from file: 160)
DIALOG(R)File 160:Gale Group PROMT(R)

01568111
CMA Releases Updated Version of Medical and Dental Systems for the Macintosh.
NEWS RELEASE December 15, 1986 p. 11

... resident on a Macintosh Plus Computer. The medical adn dental programs actually consist of six **applications** in one **program** . The packages include an appointment scheduling **system** , a patient billing/ **receivables** element, an **electronic** or paper claim form preparation module, a patient **diagnostic data** base, a full featured word processor and continuous financial history **system** .

15/3,K/87 (Item 1 from file: 275)
DIALOG(R)File 275:Gale Group Computer DB(TM)

01628595 SUPPLIER NUMBER: 13977573 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Computers in healthcare: 1993 market directory. (special directory of healthcare computer applications and vendors) (Buyers Guide)
Computers in Healthcare, v14, n4, p13(86)
March 15, 1993
DOCUMENT TYPE: Buyers Guide ISSN: 0745-1075 LANGUAGE: ENGLISH
RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 48751 LINE COUNT: 04497

... Total Installed: 2,500
Price Range: $13,000
Product Name: Metropolitan Area Networking Bridge
Primary **Application** : LAN/WAN
Applitek provides high-speed 10Mbps Ethernet data connectivity over CATV **systems** up to 35 miles away. This unique metropolitan-area-**networking** solution allows hospitals, doctors, offices and medical centers to **transfer medical information** in a distributed format.
AR/Mediquest, Inc. 6105 W. St. Joseph Hwy., Ste. 104 Lansing...

15/3,K/88 (Item 2 from file: 275)
DIALOG(R)File 275:Gale Group Computer DB(TM)

01390462 SUPPLIER NUMBER: 10845842 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Scanner plays integral part in large network. (The National Native American Teleteaching Network)
T H E Journal (Technological Horizons In Education), v18, n5, p40(1)
Dec, 1990

ISSN: 0192-592X LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 1322 LINE COUNT: 00111

... network access through data concentration, bandwidth on demand and network management, according to the firm.

Applications include terminal-to-host connectivity, modem pooling, terminal-to- **LAN** connectivity, **LAN** bridging, and videoconferencing and **medical - imaging transmission** .

All Ascend **equipment** will support both the existing and the newly emerging ISDN standards. Ascend Communications, Inc., San...

15/3,K/89 (Item 3 from file: 275)
DIALOG(R)File 275:Gale Group Computer DB(TM)

01210255 SUPPLIER NUMBER: 05147457 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Directory of leaders. (electronic, semiconductor and computer corporate profiles) (Looking at the Leaders 1987) (Section II) (company profile)
Electronic News, v33, p6(39)
Aug 24, 1987
DOCUMENT TYPE: company profile LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT
WORD COUNT: 64433 LINE COUNT: 06382

... voice system, integrated terminals, business telephone sets, electronic and key telephone sets, telephones for special **applications** , subscriber carrier systems, digital microwave radio **systems** , digital multiplex **transmission systems** , optical fiber **systems** , channel banks, memory **systems** , **data** test and **diagnostics** , **network** support **systems** and test **systems** , outside plant products.
Northern Telecom International, Mississauga, Ont.
Northern Telecom AG, Zurich, Switzerland
Northern Telecom...

15/3,K/90 (Item 4 from file: 275)
DIALOG(R)File 275:Gale Group Computer DB(TM)

01189335 SUPPLIER NUMBER: 05109979
Product identifier. (directory)
Data Communications, v16, n6, p178(16)
June 15, 1987
DOCUMENT TYPE: directory ISSN: 0363-6399 LANGUAGE: ENGLISH
RECORD TYPE: ABSTRACT

...ABSTRACT: which the products are listed are: communications carriers and other services; computers; concentration and conversion **equipment** ; **data transmission equipment** ; **diagnostic** and test **equipment** ; DDP and messaging **systems** ; local area **networks** ; **software** ; switching **equipment** ; and terminals and support **equipment** .

15/3,K/91 (Item 5 from file: 275)
DIALOG(R)File 275:Gale Group Computer DB(TM)

01165384 SUPPLIER NUMBER: 04430695
IBM adds software packages for System-36. (product announcement)

Electronic News, v32, n1623, p30(1)
Oct 13, 1986
DOCUMENT TYPE: product announcement ISSN: 0013-4937 LANGUAGE: ENGLISH RECORD TYPE: ABSTRACT

...ABSTRACT: the alerts to the System-370 host, as well as an enhancement to the Distributed **Systems** Node Executive **program** , which **transfers diagnostic data** from **networked System** -36s to a another **System** -36 processing main-problem eradication.

15/3,K/92 (Item 1 from file: 621)
DIALOG(R)File 621:Gale Group New Prod.Annou.(R)

01607185 Supplier Number: 48286746 (USE FORMAT 7 FOR FULLTEXT)
Acuson Announces a 26 Percent Increase in Revenues for the Year Ended December 31, 1997
PR Newswire, p0210SFTU049
Feb 10, 1998
Language: English Record Type: Fulltext
Document Type: Newswire; Trade
Word Count: 1488

... based package, a major productivity upgrade to the AEGIS(R) digital image and data management **system** . Later in the year, Acuson introduced the ViewPro(TM) and **WebPro** (TM) **software** packages, two other cost-effective solutions that allow **ultrasound images** to be reviewed off-line and **transferred** to remote sites via the internet or an intranet.
"The new year is off to...

15/3,K/93 (Item 1 from file: 636)
DIALOG(R)File 636:Gale Group Newsletter DB(TM)

03330231 Supplier Number: 46850483 (USE FORMAT 7 FOR FULLTEXT)
TELEMEDICINE: THE USE OF TELECOMMUNICATIONS IN MEDICINE AND HEALTH CARE
Life Sciences & Biotechnology Update, v96, n11, pN/A
Nov 1, 1996
Language: English Record Type: Fulltext
Document Type: Newsletter; Trade
Word Count: 153

(USE FORMAT 7 FOR FULLTEXT)
TEXT:
...of telecommunication technology in the medical and health care industries. It covers, among other topics: **transmission** of **medical data** and **images** using telephone **systems** ; the use of the Integrated Service Digital **Network** (ISDN); multimedia **applications** ; the use of mobile satellites; telemedicine on the Internet; **applications** for telemedicine involving in-home care, rural health care, and mobile emergency vehicles; and more...

15/3,K/94 (Item 2 from file: 636)
DIALOG(R)File 636:Gale Group Newsletter DB(TM)

02995094 Supplier Number: 46111774 (USE FORMAT 7 FOR FULLTEXT)

Bell Canada Trials Nortel Equipment
High-Speed Networking Newsletter, v4, n12, pN/A
Feb 1, 1996
Language: English Record Type: Fulltext
Document Type: Magazine/Journal; Trade
Word Count: 226

(USE FORMAT 7 FOR FULLTEXT)
TEXT:
...technology that will increase the capacity of its fiber optic network by four times and **transmit** 10 billion bits of information per second. This new **transmission system** will support voice and data calls as well as **applications** like **medical imaging** , videoconferencing and **Internet** connections. The additional capacity will ensure Bell can meet the future needs of business and...

15/3,K/95 (Item 3 from file: 636)
DIALOG(R)File 636:Gale Group Newsletter DB(TM)

02859434 Supplier Number: 45799402 (USE FORMAT 7 FOR FULLTEXT)
ATM MEDICAL TRIAL LAUNCHED IN DALLAS
Broadband Networking News, v5, n19, pN/A
Sept 19, 1995
Language: English Record Type: Fulltext
Document Type: Newsletter; Trade
Word Count: 741

... each customer site, while IBM's RS/6000 work stations are running the medical imaging **application** from BRIT **Systems** and an ATM video conferencing **application** from InSoft.

Some of the **medical images** to be transported over the ATM **network** include CAT **scans** , MRIs, and **ultra sound images** .

"We're interested in finding ways to speed up image **transmission** and to make the use of those images more flexible," explained Dr. Tom Lane, director...

15/3,K/96 (Item 4 from file: 636)
DIALOG(R)File 636:Gale Group Newsletter DB(TM)

01988510 Supplier Number: 43564453 (USE FORMAT 7 FOR FULLTEXT)
Digitization and Image Segmentation for Ultrasound Imaging: Experience with Brachytherapy Planning for Prostate Cancer
Cancer Weekly, pN/A
Jan 4, 1993
Language: English Record Type: Fulltext
Document Type: Newsletter; Professional
Word Count: 404

... interest in the use of transrectal ultrasound guidance for interstitual radioactive implants on the prostate, **on - line** dosimetric planning on the **ultrasound images** remains unrealized. Our approach utilizes a commercially available ultrasound imaging **system** and a specific **protocol** that is designed to: 1) **download** the ultrasound image during patient scanning and, 2) store it in a general, digital data...

15/3,K/97 (Item 5 from file: 636)
DIALOG(R)File 636:Gale Group Newsletter DB(TM)

01496771 Supplier Number: 42100030 (USE FORMAT 7 FOR FULLTEXT)
EFT's Stake In A Claims Process Gold Rush
Bank Network News, v10, n1, pN/A
May 25, 1991
Language: English Record Type: Fulltext
Document Type: Newsletter; Trade
Word Count: 1606

... of companies are working on programs that will integrate health claims processing with electronic funds **transfer** and electronic data interchange applications. The idea is to develop several **applications** that will allow banks, processors and shared networks to harness their computers **systems** to process and settle insurance claims or related **medical information on - line** .
With an EFT computer serving as the central switch, the concept could evolve into several...

15/3,K/98 (Item 6 from file: 636)
DIALOG(R)File 636:Gale Group Newsletter DB(TM)

01390515 Supplier Number: 41771032 (USE FORMAT 7 FOR FULLTEXT)
Sprint Unveils Imaging Service for Healthcare Industry
Telecommunications Alert, v9, n1, pN/A
Jan, 1991
Language: English Record Type: Fulltext
Document Type: Newsletter; Trade
Word Count: 102

(USE FORMAT 7 FOR FULLTEXT)
TEXT:
US Sprint introduced a service that lets doctors use dial-up digital circuits to **transmit medical images** in seconds. The Healthcare **Application Network** Delivery **System** (HANDS) can **transmit** CAT **scans** , **X - rays** , sonograms and other medical images. HANDS, based on Sprint's Nx56 service, lets users dial...

15/3,K/99 (Item 1 from file: 149)
DIALOG(R)File 149:TGG Health&Wellness DB(SM)

01410782 SUPPLIER NUMBER: 13089459 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Digitization and image segmentation for ultrasound imaging: experience with brachytherapy planning for prostate cancer. (Research Report)
Sewchand, Wilfred; Lei, Tianhu; Amin, Pradip P.
Cancer Weekly, p18(1)
Jan 4,
1993
PUBLICATION FORMAT: Newsletter LANGUAGE: English RECORD TYPE: Fulltext
TARGET AUDIENCE: Professional
WORD COUNT: 345 LINE COUNT: 00036

... interest in the use of transrectal ultrasound guidance for interstitual radioactive implants on the prostate, **on - line** dosimetric

planning on the **ultrasound** **images** remains unrealized. Our approach utilizes a commercially available ultrasound imaging **system** and a specific **protocol** that is designed to: 1) **download** the ultrasound image during patient scanning and, 2) store it in a general, digital data...

```
Set     Items   Description
S1          8   AU=(KORITZINSKY, I? OR KORITZINSKY I? OR REICH J? OR REICH,
              J?)
S2    1556902   DIAGNOS? OR MEDICAL? OR ULTRASOUND? OR ULTRA()SOUND? OR TO-
            MOGRAPH? OR NMR OR MRI OR XRAY? OR X()RAY?
S3    8066214   IMAG??? OR SCAN? OR DATA? ? OR INFO OR INFORMATION
S4    7013228   PROTOCOL? OR PROGRAM? OR SOFTWARE? OR APPLICATION?
S5     698472   PRESET? OR PRE()SET? ? OR SETTING? OR MODALIT?
S6    8240348   IMPORT? ? OR TRANSFER? OR TRANSMI? OR FORWARD? OR SEND? OR
            SENT OR DOWNLOAD? OR RECEIV? OR LOADING?
S7    7004972   DEVICE? OR EQUIPMENT? OR APPARATUS? OR MACHINE OR SYSTEM?
S8     104519   S2(2N)S3
S9      19565   S8(10N)(ONLINE OR ON()LINE OR INTERNET OR INTRANET OR EXTR-
            ANET OR WEB? OR HOMEPAGE OR HOME()PAGE OR NETWORK? OR PORTAL?
            OR WWW OR CYBER? OR LAN OR WAN OR ELECTRONIC? OR SERVER? OR B-
            ROWSER?)
S10      6077   S9(12N)S7
S11      1674   S10(12N)S4
S12       151   S11(12N)S6
S13    189758   S2(2N)S7
S14    166763   S4(2N)S6
S15       523   S13(S)S14
S16       130   S15(15N)S3
S17        68   (S12 OR S16) NOT PY>1998
S18        65   S17 NOT PD=19981125:20030103
S19        56   RD (unique items)
? show files
File  20:Dialog Global Reporter 1997-2003/Jan 03
         (c) 2003 The Dialog Corp.
File 476:Financial Times Fulltext 1982-2003/Jan 03
         (c) 2003 Financial Times Ltd
File 610:Business Wire 1999-2003/Jan 03
         (c) 2003 Business Wire.
File 613:PR Newswire 1999-2003/Jan 03
         (c) 2003 PR Newswire Association Inc
File 624:McGraw-Hill Publications 1985-2003/Jan 02
         (c) 2003 McGraw-Hill Co. Inc
File 634:San Jose Mercury  Jun 1985-2003/Jan 02
         (c) 2003 San Jose Mercury News
File 810:Business Wire 1986-1999/Feb 28
         (c) 1999 Business Wire
File 813:PR Newswire 1987-1999/Apr 30
         (c) 1999 PR Newswire Association Inc
File 442:AMA  Journals 1982-2003/Jan B2
         (c)2003 Amer Med Assn -FARS/DARS apply
File 444:New England Journal of Med. 1985-2003/Jan W1
         (c) 2003 Mass. Med. Soc.
```

19/3,K/1 (Item 1 from file: 20)
DIALOG(R)File 20:Dialog Global Reporter

03158257 (USE FORMAT 7 OR 9 FOR FULLTEXT)
NEC Introduces Two New Additions to the Videoworks Videoconferencing Product Line; New VisuaLink Gateway and Desktop Codecs Offer Easy-To-Use, High-Quality Videoconferencing
BUSINESS WIRE
October 19, 1998
JOURNAL CODE: WBWE LANGUAGE: English RECORD TYPE: FULLTEXT
WORD COUNT: 535

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... communications system, the NEAX(R)2400 IMX. As the gateway codecs are completely self-contained **systems** , problem **diagnosis** and correction is an easy task.
For additional **information** on NEC America, Inc., Corporate Networks Group and its products, please consult the World Wide...

19/3,K/2 (Item 2 from file: 20)
DIALOG(R)File 20:Dialog Global Reporter

03082808
Novus Technologies, Inc. and Brentwood Medical Products Announce the Introduction of "CardioCard"
BUSINESS WIRE
October 12, 1998
JOURNAL CODE: WBWE LANGUAGE: English RECORD TYPE: FULLTEXT
WORD COUNT: 677

... on Windows95/NT operating platform enables integration of Microsoft's entire family of products, including **programs** for managing, **transmitting** and archiving medical records. For more **information** , reference Brentwood at www.brentwoodmed.com. NOVUS Technologies, Inc. is a VAR (Value Added Reseller...

19/3,K/3 (Item 3 from file: 20)
DIALOG(R)File 20:Dialog Global Reporter

03039587
Hot Legal Issues Facing U.S. Businesses and Insurers to be Addressed at Oct. 8-10 DRI Annual Meeting in San Francisco of Nation's Civil Litigation Defense Lawyers
PR NEWSWIRE
October 07, 1998
JOURNAL CODE: WPRW LANGUAGE: English RECORD TYPE: FULLTEXT
WORD COUNT: 496

... transportation law; and workers compensation. Defense Research Institute invites your coverage!! P.S.: Want additional **information** ? Have questions? Would you like a complete DRI meeting **program sent** by fax? Want your media credentials ready if you plan coverage? If so, please phone ...

19/3,K/4 (Item 4 from file: 20)
DIALOG(R)File 20:Dialog Global Reporter

02986819
Pfizer Chooses Base Ten Software
BUSINESS WIRE
October 01, 1998
JOURNAL CODE: WBWE LANGUAGE: English RECORD TYPE: FULLTEXT
WORD COUNT: 400

... TM) execution systems are easily integrated with supply chain planning systems from BASE10(TM) complementary **software** partners. (a) **Forward** Looking Statements The foregoing contains "forward looking **information** " within the meaning of The Private Securities Litigation Reform Act of 1995. Such forward looking...

19/3,K/5 (Item 5 from file: 20)
DIALOG(R)File 20:Dialog Global Reporter

02972260
Dutch Vaccine Firm SVM Awards Contract To Base Ten
BUSINESS WIRE
September 30, 1998
JOURNAL CODE: WBWE LANGUAGE: English RECORD TYPE: FULLTEXT
WORD COUNT: 456

... TM) execution systems are readily integrated with supply chain planning systems from BASE10(TM) complementary **software** partners. (a) **Forward** Looking Statements The foregoing contains "forward looking **information** " within the meaning of the Private Securities Litigation Reform Act of 1995. Such forward looking...

19/3,K/6 (Item 6 from file: 20)
DIALOG(R)File 20:Dialog Global Reporter

02257072 (USE FORMAT 7 OR 9 FOR FULLTEXT)
Nortech Systems' Imaging Technologies Division Signs Distribution Agreement for Taiwan, Singapore and Hong Kong
BUSINESS WIRE
July 20, 1998 16:30
JOURNAL CODE: WBWE LANGUAGE: English RECORD TYPE: FULLTEXT
WORD COUNT: 423

...may be renewed.
Rattan Computer Co. is a value-added distributor and leading developer of **software** for digital picture archiving and communication **systems** (PACS). With PACS, **medical** diagnostic images are reviewed on monitor screens and **electronically** archived and **transmitted** without using film.

19/3,K/7 (Item 7 from file: 20)
DIALOG(R)File 20:Dialog Global Reporter

02056867 (USE FORMAT 7 OR 9 FOR FULLTEXT)
Charter Behavioral Health Systems Selects The Medical Manager(R) Software
PR NEWSWIRE
June 29, 1998 10:6
JOURNAL CODE: WPRW LANGUAGE: English RECORD TYPE: FULLTEXT
WORD COUNT: 555

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... 000 sites representing 120,000 physicians, making it the most widely installed physician practice management **system** in the United States.
Further **information** about The **Medical** Manager **software** is available **on - line** at
http:// **www** .medicalmanager.com.
This press release contains **forward** -looking statements within the meaning of
the Private Securities Litigation Act of 1995 (the "Act...

19/3,K/8 (Item 8 from file: 20)
DIALOG(R)File 20:Dialog Global Reporter

01936731 (USE FORMAT 7 OR 9 FOR FULLTEXT)
Burr-Brown Unveils Low Cost, High Speed ADCs for Imaging Systems
BUSINESS WIRE
June 10, 1998 8:15
JOURNAL CODE: WBWE LANGUAGE: English RECORD TYPE: FULLTEXT
WORD COUNT: 408

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... on the display. The ADS830's low cost and small size make it attractive to **ultrasound system** designers who are increasing the number of **image** processing channels in their products in order to further improve the image quality.
Patrick Kirk...

19/3,K/9 (Item 9 from file: 20)
DIALOG(R)File 20:Dialog Global Reporter

01874840 (USE FORMAT 7 OR 9 FOR FULLTEXT)
Compaq Introduces Custom-Configured PCs at Retail; New "Built for You" Program Lets Consumers Customize a PC for Their Needs At Tremendous Values
BUSINESS WIRE
June 09, 1998 11:12
JOURNAL CODE: WBWE LANGUAGE: English RECORD TYPE: FULLTEXT
WORD COUNT: 1153

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... Compaq Extra Mile Assistance, providing the capability for support technicians to access the user's **system** remotely, quickly **diagnose** any problems and provide interactive help using voice and **data** communications.
Company Background

Founded in 1982, Compaq Computer Corporation, a Fortune 100 company, is a...

19/3,K/10 (Item 10 from file: 20)
DIALOG(R)File 20:Dialog Global Reporter

01634863 (USE FORMAT 7 OR 9 FOR FULLTEXT)
JetForm Customer Application Awarded Finalist In 1998 Process Innovation Award
PR NEWSWIRE
May 13, 1998 11:33
JOURNAL CODE: WPRW LANGUAGE: English RECORD TYPE: FULLTEXT
WORD COUNT: 575

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... the benefits are so dramatic."
Ron Pace, director of the U.S. Army Medical Command **Information** Systems and Services Agency, was delighted by the recognition his organization's **application received** . "This is a terrific honor for our agency," he said. "Obviously, we've been very...

19/3,K/11 (Item 11 from file: 20)
DIALOG(R)File 20:Dialog Global Reporter

01595745 (USE FORMAT 7 OR 9 FOR FULLTEXT)
Quantum Physician Services Selects The Medical Manager(R) Software to Provide Practice Management Services
PR NEWSWIRE
May 11, 1998 8:45
JOURNAL CODE: WPRW LANGUAGE: English RECORD TYPE: FULLTEXT
WORD COUNT: 564

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... 000 sites representing 120,000 physicians, making it the most widely installed physician practice management **system** in the United States. Further information about The **Medical** Manager **software** is available **on - line** at http:// **www** .medicalmanager.com.
This press release contains **forward** -looking statements within the meaning of the Private Securities Litigation Act of 1995 (the "Act...

19/3,K/12 (Item 12 from file: 20)
DIALOG(R)File 20:Dialog Global Reporter

01365073 (USE FORMAT 7 OR 9 FOR FULLTEXT)
Data Critical's Statview System Receives FDA Clearance Bringing Waveform Data Directly to the Nurse's Hand
BUSINESS WIRE
April 13, 1998 7:21
JOURNAL CODE: WBWE LANGUAGE: English RECORD TYPE: FULLTEXT
WORD COUNT: 424

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... Baylor University Medical Center in Dallas under the trade name IMPACT.wf(tm) through Marquette **Medical Systems** . Using the StatView System, caregivers can receive patient alarm **data** from bedside and telemetry monitoring networks through a wireless communicator using a simple three-button...

19/3,K/13 (Item 13 from file: 20)
DIALOG(R)File 20:Dialog Global Reporter

01236338 (USE FORMAT 7 OR 9 FOR FULLTEXT)
Marquette Medical Systems Receives **Certification for** Software **Link To ACC National Cardiovascular** Data **Registry**
BUSINESS WIRE
March 25, 1998 12:53
JOURNAL CODE: WBWE LANGUAGE: English RECORD TYPE: FULLTEXT
WORD COUNT: 376

Marquette Medical Systems Receives **Certification for** Software **Link To ACC National Cardiovascular** Data **Registry**

... is critical to ensure accurate transmission of information," explains Maria Shonyo, product manager, cath lab **information** systems for Marquette. Shonyo notes that although other manufacturers may have similar **software** offerings allowing **transmission** of **data** , none can offer the ease of use that the combination of Marquette's ACC module...

... at Marquette Booth 1532. Marquette Medical Systems, Inc. (Nasdaq:MARQ), is a leading manufacturer of **medical** electronics **equipment** and **systems** for **diagnostic** cardiology, patient monitoring and integration of clinical **information** , with headquarters in Milwaukee, Wis. Additional **information** is available at the company's website, www.mei.com.
CONTACT: Marquette Medical Systems

19/3,K/14 (Item 14 from file: 20)
DIALOG(R)File 20:Dialog Global Reporter

01233165 (USE FORMAT 7 OR 9 FOR FULLTEXT)
Year 2000 Wire/NeoMedia Reports Record Revenue for 1997 Fourth Quarter and Year
BUSINESS WIRE
March 25, 1998 8:35
JOURNAL CODE: WBWE LANGUAGE: English RECORD TYPE: FULLTEXT
WORD COUNT: 1016

(USE FORMAT 7 OR 9 FOR FULLTEXT)

... we are aggressively addressing business-to-business applications for our Intelligent Documents products, including advertising, **medical information systems** and financial services markets. Our progress is demonstrated by the significant increase in gross profit...

19/3,K/15 (Item 1 from file: 624)
DIALOG(R)File 624:McGraw-Hill Publications

00860468
El Segundo: Integrate vibration analysis into DCS: Every power producer must operate closer and closer to the margins. Integrating key information technologies will help manage the risks
POWER May/June, 1997; Pg 65; Vol. 141, No. 3
Journal Code: POW ISSN: 0032-5929
Section Heading: IT PROFILE
Word Count: 957 *Full text available in Formats 5, 7 and 9*

BYLINE:
By Thomas S Cook, Southern California Edison Co
Edited by Robert Swanekamp

TEXT:
...revised software that allows it to act as a data server to a client.
The **Data** Manager 2000 enables in-depth turbine management, including examination of operating history and early **diagnosis** of **equipment** problems. Installed on a Microsoft Windows NT platform, **Data** Manager 2000 imports **data** via a dynamic data exchange (DDE). DDE refers to when data from one program automatically...
... network DDE interface was created to bring process data from the OIS console to the **Data** Manager over the existing Ethernet (Fig 2). Both systems were configured to run **transmission** control **protocol** /Internet protocol (TCP/IP) and assigned a host name and an IP address.
To display...

19/3,K/16 (Item 2 from file: 624)
DIALOG(R)File 624:McGraw-Hill Publications
(c) 2003 McGraw-Hill Co. Inc. All rts. reserv.

00834292
Convert data into useful information at Crystal River North
POWER February, 1997; Pg 29; Vol. 141, No. 1
Journal Code: POW ISSN: 0032-5929
Section Heading: INSTRUMENTATION/PUMPS, VALVES, PIPING
Word Count: 356 *Full text available in Formats 5, 7 and 9*

TEXT:
... program for critical measurements organized around major components--such as pulverizer, boiler feedpump, condenser, etc. **Data** from the control system are **downl**oaded into the **software** , which resides on Phillip's PC, and essentially converts the **data** he and others at the plant can use to make key decisions. The version of...

19/3,K/17 (Item 3 from file: 624)
DIALOG(R)File 624:McGraw-Hill Publications
(c) 2003 McGraw-Hill Co. Inc. All rts. reserv.

00796373
FLC BOOSTS LINKS BETWEEN LABS, MAKERS OF DEVICES FOR DISABLED
Federal Technology Report September 12, 1996; Pg 1; Vol. 16, No. 9
Journal Code: TTR ISSN: 1042-9158/9
Word Count: 938 *Full text available in Formats 5, 7 and 9*

BYLINE:
Neil MacDonald

TEXT:
...catalyst.''
Similar reactions were reported by other federal agencies interested in getting their assistive technologies **transferred** from the lab to the marketplace.
Cohen, director of DOD's **medical information** management's Computer and **Electronic** Accommodation **Program** , which provides free accommodation and adaptive **devices** for the agency's employees with disabilities, praised the style and timing of the FLC...

19/3,K/18 (Item 1 from file: 634)
DIALOG(R)File 634:San Jose Mercury

09048010
VENTURE CAPITAL SURVEY THE MONEY TREE FOURTH QUARTER 1996
San Jose Mercury News (SJ) - Monday, February 17, 1997
By: Compiled from a Mercury News/Price Waterhouse LLP survey of venture capitalists by editorial assistants Jack Davis and Glenda Queensbury and Price Waterhouse.
Edition: Morning Final Section: Business Monday Page: 4E
Word Count: 3,714

...Diablo Research*
San Jose
$12,500,000
TL Ventures
Electronics product development in wireless communications, **data transfer** and control **applications**

Epigram*
Palo Alto
$5,000,000
Advanced Technology Ventures (hbox) Benchmark Capital (hbox) Mohr Davidow ...6,000,000
New Enterprise Associates (hbox) Kleiner Perkins Caufield & Byers (hbox) Sierra Ventures
Medical **information** access through the Internet

IMPAC **Medical Systems**
Mountain View
$3,925,000
Summit Partners
Client-server **information** management software for oncology centers

Medical SelfCare
Emeryville
$1,526,000
St. Paul Venture Capital...

19/3,K/19 (Item 2 from file: 634)
DIALOG(R)File 634:San Jose Mercury

08823039
THIRD QUARTER 1996
San Jose Mercury News (SJ) - Monday, November 18, 1996
By: Compiled from a Mercury News/Price Waterhouse LLP survey of venture

capitalists by editorial assistants Jack Davis and Glenda Queensbury.
Edition: Morning Final Section: Business Monday Page: 5E
Word Count: 3,034

...Jose
$15,000,000
Safeguard Scientifics (hbox) Technology Leaders
Electronics product development in wireless communications, **data transfer** and control **applications**

Diamond Lane Communications
Petaluma
$12,200,000
Crosspoint Venture Partners (hbox) Kleiner Perkins Caufield & Byers...

19/3,K/20 (Item 1 from file: 810)
DIALOG(R)File 810:Business Wire

0800399 BW0161

COMPANION TECHNOLOGIES: Companion Technologies of Texas Acquired by Medical Manager Corporation

January 27, 1998

Byline: Business Editors/Medical & Healthcare Writers

...clinical and practice
management needs of physicians. Since its development in 1982, The Medical Manager **software** has grown to become the most widely installed physician practice management **system** in the United States. Further **information** about The **Medical** Manager **software** is available **on - line** at http:// **www** .medicalmanager.com.
This press release contains **forward** -looking statements within the meaning of the Private Securities Litigation Act of 1995 (the "Act...

19/3,K/21 (Item 2 from file: 810)
DIALOG(R)File 810:Business Wire

0719688 BW0218

TOMTEC IMAGING: TomTec GmbH announces continuation of business operations in 3D ultrasound applications

July 01, 1997

Byline: Business Editors

...S. company took this
action after unsuccessful attempts to secure new funding sources to carry **forward** its R&D and marketing **programs** in digital **ultrasound imaging applications** including stress echo, digital echocardiography **networking** , and 3D **ultrasound** .
TomTec **Imaging Systems** Inc. was formed by the merger of Prism Imaging **Systems** of Colorado and TomTec Tomographic Technologies, GmbH of Munich, Germany in late 1993. After the...

19/3,K/22 (Item 3 from file: 810)
DIALOG(R)File 810:Business Wire

0629110 BW0078

FEEDBACK RESEARCH SERVS: Expanding Telemedicine Networks: A Report Covering Major Vendors And Market Potential Is Now Available From Feedback Research Services

October 02, 1996

Byline: Business Editors

...corporate profiles in the U.S.
Telemedicine Market report describe technologies offered by major competitors. **Systems** from Andries Tek, Compression Labs, EMED, NEC America, and VTEL allow **electronic transfer** of **medical images** from one location to another.
Typical **applications** include continuing medical education, home care monitoring, remote military and prison interactive medical examinations, and...

19/3,K/23 (Item 4 from file: 810)
DIALOG(R)File 810:Business Wire

0594226 BW1046

SUPERCONDUCTIVITY AWARD: Secretary of Energy Hazel R. O'Leary receives superconductivity leadership award; Recognized for efforts to commercialize superconductor technology

June 12, 1996

Byline: Business/Computer Editors

...Applications are being developed and implemented in a wide array of markets, including electric utility **equipment** , high-energy physics, diagnostic **medical** magnetic resonance **imaging** and **electronics applications** such as filters for cellular base stations and **receivers** for magnetic resonance imaging.
The Council on Superconductivity for American Competitiveness (CSAC) is the national...

19/3,K/24 (Item 5 from file: 810)
DIALOG(R)File 810:Business Wire

0593845 BW1165

AMERICAN SPRCNDCTR CSAC: American Superconductor CEO named chairman of the Council on Superconductivity for American Competitiveness

June 11, 1996

Byline: Business Editors

...applications of superconductors have been established in a wide variety of markets, including electric utility **equipment** , high-energy physics, diagnostic **medical** magnetic resonance **imaging** , and **electronics applications** such as filters for cellular base stations and **receivers** for magnetic resonance imaging. Specific goals that CSAC will pursue under Yurek's leadership include...

19/3,K/25 (Item 6 from file: 810)
DIALOG(R)File 810:Business Wire
(c) 1999 Business Wire . All rts. reserv.

0570838 BW1284

SYSTRAN CORP: SYSTRAN Corp. unveils FibreXpress family of Fibre Channel adapters at NetWorld+Interop 96

April 01, 1996

Byline: Business Editors/Computer Writers

...million nodes at speeds of up to 1 Gigabaud. FibreXpress is ideally suited for all **applications** requiring high-speed, high-throughput data **transfer** in a **LAN** environment such as publishing, **medical imaging** , campus **networking** , workstation clustering, **network** backboning and mass storage **systems** .
The FibreXpress family of host bus adapters are currently available with prices starting at $1...

19/3,K/26 (Item 7 from file: 810)
DIALOG(R)File 810:Business Wire
(c) 1999 Business Wire . All rts. reserv.

0522950 BW1190

SYMBIOS LOGIC: Industry first 100 MB/second fibre channel-based raid **controller and subsystem from Symbios Logic previews an agressive I/O technology strategy with far-reaching market and customer benefits**

October 10, 1995

Byline: Business Editors

...immediately from OEMs seeking to design systems that can keep up with the extraordinary data **transfer** rates and large file sizes associated with data-intensive and high-speed **networking applications** . These range from **medical imaging** , real-time video, multimedia, and voice processing to image-based document management **systems** , geophysical mapping, satellite imaging, CAD/CAE, and scientific visualization.
To meet this need, according to...

19/3,K/27 (Item 8 from file: 810)
DIALOG(R)File 810:Business Wire

0394919 BW802

DIGITAL EQUIPMENT: Digital to provide network infrastructure for NASA Communications

March 30, 1994

Byline: Business Editors

...standard FDDI
device. Up to 22 FDDI ports can be configured to support high
bandwidth **applications** that require sophisticated traffic management.
Examples of other network intensive client/ **server applications** for
which the GIGAswitch is particularly suited include **x - ray image transfer** , molecular modeling and multimedia.
According to John Muratore, chief, Control Center **Systems**
Division, NASA, "In this competitive environment with stringent
reliability and performance requirements, Digital's GIGAswitch...

19/3,K/28 (Item 9 from file: 810)
DIALOG(R)File 810:Business Wire

0322133 BW238

PACIFIC BELL: Pacific Bell announces strategy for serving health care industry

March 1, 1993

Byline: Computer and Medical Writers

...Westford, Mass. It will enable the
transport, review, and storage of X-rays and other **medical images** .
Pacific Bell will provide **network transmission** services, while
Advanced Video Products provides hardware and **software systems** for
image acquisition, display, enhancement and storage. These systems
have cost and efficiency advantages over...

19/3,K/29 (Item 10 from file: 810)
DIALOG(R)File 810:Business Wire

0245050 BW105

PACIFIC BELL: Pacific Bell announces successful results of SMDS tests

October 1, 1991

Byline: Business Editors & Computer Writers

...were Apple Computer, Stanford
University, SUN Microsystems, Tandem Computer, Pacific Gas & Electric
Company, and Cisco **Systems** .
Stanford University experimented with several **applications -- medical**

imaging , interconnection of data **networks** , high-speed data **transmission** and customer **network** management--finding SMDS worked successfully in each case. The university interconnected its campus medical center...

19/3,K/30 (Item 1 from file: 813)
DIALOG(R)File 813:PR Newswire

1254515 HSTU032
Cleveland Health Network Selects The Medical Manager Software To Provide Practice Management Services

DATE: April 7, 1998 07:59 EDT WORD COUNT: 526

... 000 sites representing 120,000 physicians, making it the most widely installed physician practice management **system** in the United States. Further **information** about The **Medical** Manager **software** is available **on - line** at http:// **www** .medicalmanager.com.

This press release contains **forward** -looking statements within the meaning of the Private Securities Litigation Act of 1995 (the "Act...

19/3,K/31 (Item 2 from file: 813)
DIALOG(R)File 813:PR Newswire

1245801 MNTH016
Biosensor Corporation Signs Letter of Intent to Acquire Carolina Medical by Reverse Merger, and Plans Changes in Capital Structure

DATE: March 19, 1998 17:16 EST WORD COUNT: 315

... BIOTEL name would more clearly define the direction of the new combined company as a **software** driven leader in BIOmedical TELecommunications using the **Internet** to **transmit medical device data** files. The Biosensor trade name would be maintained, and Advanced Medical Products, Inc., Carolina Medical...

19/3,K/32 (Item 3 from file: 813)
DIALOG(R)File 813:PR Newswire

1243828 NYTU055
Medical Manager Corporation and TIPAAA Announce Strategic Partnership

DATE: March 17, 1998 08:01 EST WORD COUNT: 650

... client sites representing 120,000 physicians, making it the most widely installed physician practice management **system** in the United States. Further **information** about The **Medical** Manager **software** is available **on - line** at http:// **www** .medicalmanager.com.

This press release contains **forward** -looking statements within the meaning of the Private Securities Litigation Act of 1995 (the "Act...

19/3,K/33 (Item 4 from file: 813)
DIALOG(R)File 813:PR Newswire

1226290 NYW054
PHP Healthcare Selects The Medical Manager Software To Build Its Largest Healthcare Network

DATE: February 11, 1998 08:37 EST WORD COUNT: 750

... clinical and practice management needs of physicians. Since its development in 1982, The Medical Manager **software** has grown to become the most widely installed physician practice management **system** in the United States. Further **information** about The **Medical** Manager **software** is available **on - line** at http:// **www** .medicalmanager.com.

This press release contains **forward** -looking statements within the meaning of the Private Securities Litigation Act of 1995 (the "Act...

19/3,K/34 (Item 5 from file: 813)
DIALOG(R)File 813:PR Newswire

1225975 SFTU049
Acuson Announces a 26 Percent Increase in Revenues for the Year Ended December 31, 1997

DATE: February 10, 1998 16:10 EST WORD COUNT: 1,305

... based package, a major productivity upgrade to the AEGIS(R) digital image and data management **system** . Later in the year, Acuson introduced the ViewPro(TM) and **WebPro** (TM) **software** packages, two other cost-effective solutions that allow **ultrasound images** to be reviewed off-line and **transferred** to remote sites via the internet or an intranet.

"The new year is off to...

19/3,K/35 (Item 6 from file: 813)
DIALOG(R)File 813:PR Newswire

1219412 NYTH097
Physiotherapy Associates Selects The Medical Manager(R) Software

DATE: January 29, 1998 11:53 EST WORD COUNT: 571

... clinical and practice management needs of physicians. Since its development in 1982, The Medical Manager **software** has grown to become the most widely installed physician practice management **system** in the United States. Further **information** about The **Medical** Manager **software** is available **on - line** at http:// **www** .medicalmanager.com.

This press release contains **forward** -looking statements within the meaning of the Private Securities Litigation Act of 1995 (the "Act...

19/3,K/36 (Item 7 from file: 813)
DIALOG(R)File 813:PR Newswire

1201995 NYTH054

Children's Hospital And Health Center Selects The Medical Manager(R) To Build Integrated Delivery System

DATE: December 18, 1997 08:00 EST WORD COUNT: 803

... clinical and practice management needs of physicians. Since its development in 1982, The Medical Manager **software** has grown to become the most widely installed physician practice management **system** in the United States. Further **information** about The **Medical** Manager **software** is available **on - line** at http:// **www** .medicalmanager.com.

This press release contains **forward** -looking statements within the meaning of the Private Securities Litigation Act of 1995 (the "Act...

19/3,K/37 (Item 8 from file: 813)

DIALOG(R)File 813:PR Newswire

1195394 NYTH022

Imaging Diagnostic Systems Arouses Excitement from Industry with Impressive CTLM(TM) Images and First Ever Scientific Presentation on Optical Tomography

DATE: December 4, 1997 07:55 EST WORD COUNT: 419

...this year. I can't wait to see what you'll have by next year."

Imaging Diagnostic Systems Inc. has developed the world's first CT Laser breast **imaging** device that utilizes state of the art laser technology and proprietary algorithms that is currently...

19/3,K/38 (Item 9 from file: 813)

DIALOG(R)File 813:PR Newswire

1153368 NYTU050

Medical Manager Corporation Announces Strategic Alliance With National Computer Systems, Inc.

DATE: September 16, 1997 08:01 EDT WORD COUNT: 570

... client sites representing 110,000 physicians, making it the most widely installed physician practice management **system** in the United States.

Further **information** about The **Medical** Manager **software** is available **on - line** at http:// **www** .medicalmanager.com .

This press release contains **forward** -looking statements within the meaning of the Private Securities Litigation Act of 1995 (the "Act...

19/3,K/39 (Item 10 from file: 813)

DIALOG(R)File 813:PR Newswire

1152608 NYM075
Medical Manager Corporation and National Data Corporation Announce Strategic Alliance

DATE: September 15, 1997 08:30 EDT WORD COUNT: 764

... clinical and practice management needs of physicians. Since its development in 1982, The Medical Manager **software** has grown to become the most widely installed physician practice management **system** in the United States.

Further **information** about The **Medical** Manager **software** is available **on - line** at http:// **www** .medicalmanager.com

This press release contains **forward** -looking statements within the meaning of the Private Securities Litigation Act of 1995 (the "Act...

19/3,K/40 (Item 11 from file: 813)
DIALOG(R)File 813:PR Newswire

1148293 NYTH109
Medical Manager Corporation and ENVOY Corporation Announce Strategic Alliance For Enhanced EDI Services

DATE: September 4, 1997 08:53 EDT WORD COUNT: 833

... clinical and practice management needs of physicians. Since its development in 1982, The Medical Manager **software** has grown to become the most widely installed physician practice management **system** in the United States.

Further **information** about The **Medical** Manager **software** is available **on - line** at http:// **www** .medicalmanager.com.

This press release contains **forward** -looking statements within the meaning of the Private Securities Litigation Act of 1995 (the "Act...

19/3,K/41 (Item 12 from file: 813)
DIALOG(R)File 813:PR Newswire

1116656 LAW010
Data General to Include Artisoft's ConfigSafe With New DG ViiSION Computers

DATE: June 25, 1997 08:03 EDT WORD COUNT: 718

... PC's, and even download software upgrades and new drivers. With CoSession Remote, technicians can **diagnose** and repair **systems** as if they were sitting at the machine, "By combining ConfigSafe with CoSession Remote, **Data** General is providing the most powerful technical support solution ever available to PC vendors," added...

19/3,K/42 (Item 13 from file: 813)
DIALOG(R)File 813:PR Newswire

1105348 NYF104
IKON Office Solutions Wins $3 Million Systems Integration Contract In South Carolina;

DATE: May 30, 1997 16:43 EDT WORD COUNT: 484

... ability to provide increased service to physicians and clinical staff members by supporting such demanding **network applications** as **medical imaging** ."

"IKON is installing a **network system** with the capability of processing and **transmitting** data and image files at OC3 speeds or 155 megabytes per second," said Darl C...

19/3,K/43 (Item 14 from file: 813)
DIALOG(R)File 813:PR Newswire

1061303 NYTU081
ClinTrials Research Comments on Expected First Quarter Results

DATE: February 25, 1997 14:56 EST WORD COUNT: 516

... on a global basis. The Company designs, monitors and manages clinical trials and provides clinical **data** management and biostatistical services, as well as other ancillary support **programs** .

Forward looking statements made in this release involve a number of risks and uncertainties, including, but...

19/3,K/44 (Item 15 from file: 813)
DIALOG(R)File 813:PR Newswire

1051880 FLTU012
Columbia JFK Medical Center Teams Up With Imaging Diagnostic Systems

DATE: February 4, 1997 11:08 EST WORD COUNT: 384

... surgery centers, more than 550 home health locations and a nationwide pharmacy benefit management company.

Imaging Diagnostic Systems , has developed a revolutionary breast **imaging** device that utilizes laser technology and sophisticated computer algorithms to produce cross-sectional images of...

19/3,K/45 (Item 16 from file: 813)
DIALOG(R)File 813:PR Newswire

0995167 FLM001
DOC-U-CARE Announces Grand Opening

DATE: September 16, 1996 08:59 EDT WORD COUNT: 86

...Center in Tampa, Florida.

Jerry Keller, CEO, states that DOC-U-CARE will be offering **software** consulting and integration, teleradiology and storage **transmission** , **electronic** **medical** **software** , **imaging** and litigation support services statewide.

Step into the future of **electronic** documentation with DOC-U-CARE, Document Management **Systems** .

SOURCE DOC-U-CARE, INC.

19/3,K/46 (Item 17 from file: 813)
DIALOG(R)File 813:PR Newswire

0908238 a3396
BELL CANADA FIRST IN CANADA TO USE WORLD-LEADING FIBER OPTIC TELECOMMUNICATIONS SYSTEM

DATE: January 31, 1996 11:00 EST WORD COUNT: 595

...technology that will increase the capacity of its fiber optic network by four times and **transmit** 10 billion bits of information per second. This new **transmission** **system** will support voice and data calls as well as **applications** like **medical** **imaging** , videoconferencing and **Internet** connections. The additional capacity will ensure Bell can meet the future needs of business and...

19/3,K/47 (Item 18 from file: 813)
DIALOG(R)File 813:PR Newswire

0873322 SJ004
SUN SLICES COST OF EMBEDDED SOLARIS DEVELOPMENT; 85 110 MHZ SPARCENGINE 5 PRICES DOWN AS MUCH AS 20%

DATE: October 23, 1995 08:55 EDT WORD COUNT: 584

...products including Sun Microsystems' PCMCIA, FDDI, ATM, ISDN, and 100-Mbit Ethernet Sbus cards and **protocol** **software** .

Companies using Solaris as an embedded operating **system** include Kodak (digital print stations), Texas Microsystems Inc. (telephony **servers**), Bay **Networks** (switching hubs), Codonics (**medical** **image** printers), and Siemens (telecommunications **transmission** **systems**).

SPARC Technology Business, a division of Sun Microsystems Inc., was formed in April 1993 to...

19/3,K/48 (Item 19 from file: 813)
DIALOG(R)File 813:PR Newswire

0870594 NY092
MEDICAL BREAKTHROUGHS HIGHLIGHT 250 'HOT' NEW & EMERGING TECHNOLOGIES SHOWCASING AT NASA-SPONSORED 6TH NATIONAL TECHNOLOGY TRANSFER CONFERENCE

DATE: October 16, 1995 14:23 EDT WORD COUNT: 669

...superior spatial resolution
(compared to all other digital mammography systems). Additional benefits include ease of **image** archival, retrieval, and **transmission** . With **applications** in **medical** and **information system** industries, Langley's system allows digital stored **images** to be transmitted to remote locations for expert interpretation. This system has a larger image...

19/3,K/49 (Item 20 from file: 813)
DIALOG(R)File 813:PR Newswire

0859894 MN011
AEQUITRON MEDICAL NAMES VICE PRESIDENT OF RESEARCH & DEVELOPMENT

DATE: September 14, 1995 15:28 EDT WORD COUNT: 269

...a senior project engineer for
Welch Allyn Corp., a New York-based manufacturer of video **imaging systems** for **medical** and industrial **applications** .

Slee **received** an M.B.A. from Dartmouth College and a Masters of Science in Electrical Engineering...

19/3,K/50 (Item 21 from file: 813)
DIALOG(R)File 813:PR Newswire

0765381 CL017
FIRST INTERSTATE TRANSMISSION OF REAL-TIME ULTRASOUND EXAMINATION TO TAKE PLACE AT RSNA SHOW, CHICAGO

DATE: November 23, 1994 07:11 EST WORD COUNT: 443

...is expected to
come on-line by the end of 1995, permitting cost-effective telemedicine **applications** . **Transmission** of the diagnostic-quality still **images** are made possible by Aegis, the **ultrasound** management **system** from Acuson.

WHY: This telemedicine breakthrough signals the ability to conduct real-time ultrasound examinations...

19/3,K/51 (Item 22 from file: 813)
DIALOG(R)File 813:PR Newswire

0511125 CL002
KODAK ANNOUNCES NEW ALLIANCES, FORMATS, COMMERCIAL USES FOR PHOTO CD

DATE: August 25, 1992 06:00 EDT WORD COUNT: 650

...and

-- The Kodak Photo CD Medical disc, that can store x-rays as well as **electronic images** for **medical applications** .

The commercial hardware **systems** include:

-- The Kodak Professional Photo CD Imaging Workstation 4200, to **transfer** images from large-format professional films to Pro Photo CD discs;

-- The Kodak PIW 2400...

19/3,K/52 (Item 23 from file: 813)
DIALOG(R)File 813:PR Newswire
(c) 1999 PR Newswire Association Inc. All rts. reserv.

0405648 FL002
SIEMENS STROMBERG-CARLSON DEMONSTRATES 140 MEGABITS PER SECOND MAN CLUSTER

DATE: October 9, 1991 12:02 EDT WORD COUNT: 318

...deliver a wealth of new
applications over the public network."

In its medical imaging MAN **application** , Siemens Stromberg-Carlson will demonstrate the **transmission** of **diagnostic** quality **medical images** across the public **network** . This is made possible by remote **medical imaging** workstations such as the Siemens LiteBox(TM), a personal computer-based **system** for storing, viewing and manipulating complex medical images. Located in physician's homes, offices or...

19/3,K/53 (Item 24 from file: 813)
DIALOG(R)File 813:PR Newswire
(c) 1999 PR Newswire Association Inc. All rts. reserv.

0301271 SJ003
CHARLES SCHWAB RELEASES THE EQUALIZER(TM) 2.3

DATE: September 10, 1990 16:06 EDT WORD COUNT: 326

...new installation program saves time and aids investors who have little computer background by determining **information** about the user's system and modem configuration. In addition, the new version also includes **system diagnostics** which will quickly identify and solve modem communication and system configuration problems. Users of earlier...

19/3,K/54 (Item 1 from file: 442)
DIALOG(R)File 442:AMA Journals
(c)2003 Amer Med Assn -FARS/DARS apply. All rts. reserv.

00108544
COPYRIGHT American Medical Association 1998

Canopy Computing Using the Web in Clinical Practice (ARTICLE)

MCDONALD, CLEMENT J.; OVERHAGE, J. MARC; DEXTER, PAUL R.; BLEVINS, LONNIE

; MEEKS-JOHNSON, JIM; SUICO, JEFFREY G.; TUCKER, MARK C.; SCHADOW, GUNTHER
JAMA, The Journal of the American Medical Association
October 21, 1998; 15: tzj1325
LINE COUNT: 00485

... relatively easy to `wrap' (add a layer of program code on top of the existing **program** that makes it operate on a **browser**) legacy **systems** (older **medical information systems** that run on mainframes and minicomputers), especially those that **transmit** entire screens to a terminal in HTML browser technology.
On the horizon is an even...

19/3,K/55 (Item 2 from file: 442)
DIALOG(R)File 442:AMA Journals

00080782
COPYRIGHT American Medical Association 1992

Access to Recombinant Erythropoietin by Medicare-Entitled Dialysis Patients in the First Year After FDA Approval (ARTICLE)

POWE, NEIL R.; GRIFFITHS, ROBERT I.; DE LISSOVOY, GREGORY; ANDERSON, GERARD F.; WATSON, ALAN J.; GREER, JOEL W.; HERBERT, ROBERT J.; EGGERS, PAUL W.; MILAM, ROGER A.; WHELTON, PAUL K.
JAMA, The Journal of the American Medical Association
September 16, 1992; 11: p1434
LINE COUNT: 00581

...during the early period of rHuEPO adoption.
METHODS
We used Medicare ESRD Program Management and **Medical Information System** (PMMIS)/15/ claims **data** , which are assembled and maintained bythe Health Care Financing Administration (HCFA), to identify the universe ...

19/3,K/56 (Item 3 from file: 442)
DIALOG(R)File 442:AMA Journals

00055321

Otolaryngology Residency Selection Process: Medical Student Perspective (Article)

Stringer, Scott P., MD; Cassisi, Nicholas J., MD, DDS; Slattery, William H., MD
Archives of Otolaryngology-Head & Neck Surgery
1992; 118: 365 (2)

... smaller number of residency positions. This selection process, however, must be based on increasingly limited **information** in part due to the lack of uniformity in **medical** school grading **systemsa** and the imminent loss of national board scores. If the goal of the residency director...

Set	Items	Description
S1	8	AU=(KORITZINSKY, I? OR KORITZINSKY I? OR AURTHUR J? OR ARTHUR, J?)
S2	471356	DIAGNOS? OR MEDICAL? OR ULTRASOUND? OR ULTRA()SOUND? OR TOMOGRAPH? OR NMR OR MRI OR XRAY? OR X()RAY?
S3	3172918	IMAG??? OR SCAN? OR DATA? ? OR INFO OR INFORMATION
S4	1117331	PROTOCOL? OR PROGRAM? OR SOFTWARE? OR APPLICATION?
S5	690046	PRESET? OR PRE()SET? ? OR SETTING? OR MODALIT?
S6	3842466	IMPORT? ? OR TRANSFER? OR TRANSMI? OR FORWARD OR SEND? OR SENT OR DOWNLOAD? OR RECEIV? OR LOADING?
S7	8504013	DEVICE? OR EQUIPMENT? OR APPARATUS? OR MACHINE OR SYSTEM?
S8	2395417	ONLINE OR ON()LINE OR INTERNET OR INTRANET OR EXTRANET OR WEB? OR HOMEPAGE OR HOME()PAGE OR NETWORK? OR PORTAL? OR WWW OR CYBER? OR LAN OR WAN OR ELECTRONIC? OR SERVER? OR BROWSER?
S9	57404	S2(10N)S3
S10	9881	S9 AND S8
S11	4615	S10 AND S4
S12	3818	S11 AND S7
S13	166	S12 AND S5 AND S6
S14	1	S1 AND S11
S15	73975	S2(2N)S7
S16	36987	S6(2N)S4
S17	104	S15(25N)S16
S18	30	S17 AND S8 AND S3
S19	47	S13 AND IC=G06F?
S20	76	S14 OR S18 OR S19

? show files
File 347:JAPIO Oct 1976-2002/Aug(Updated 021203)
(c) 2002 JPO & JAPIO
File 350:Derwent WPIX 1963-2002/UD,UM &UP=200282
(c) 2002 Thomson Derwent

20/5/1 (Item 1 from file: 347)
DIALOG(R)File 347:JAPIO

07294891 **Image available**
PRESCRIPTION RECEIVING **SYSTEM** , **MEDICAL** INSTITUTION **SERVER** , PRESCRIPTION RECEIVING METHOD AND RECORDING MEDIUM WITH PRESCRIPTION **RECEIVING PROGRAM** RECORDED THEREON

PUB. NO.: 2002-163365 [JP 2002163365 A]
PUBLISHED: June 07, 2002 (20020607)
INVENTOR(s): HISHIDA ATSUSHI
APPLICANT(s): NEC CORP
APPL. NO.: 2000-361869 [JP 2000361869]
FILED: November 28, 2000 (20001128)
INTL CLASS: G06F-017/60

ABSTRACT

PROBLEM TO BE SOLVED: To acquire required medicines at a pharmacy which is close to the localization of a patient, outside a hospital on the basis of the position **information** of the patient himself/ herself by using a portable terminal in the destination of travel or the like.

SOLUTION: This system has a means 21 for retrieving pharmacy outside hospital for acquiring the medicines prescribed to the correspondent patient by receiving position **information** and patient specification **information** from a portable terminal 10 and retrieving a patient personal **information** database 25, retrieving a database 24 in the pharmacy outside the hospital, generating a list of close pharmacies where the prescription of medicines is enabled, close to the localization of the patient outside the hospital and transmitting the list to the portable terminal 10, a patient authenticating means 22 for authenticating the identity of patient by receiving the patient specification **information** , patient authentication **information** composed of a password and prescription request **information** from a terminal 30 of the pharmacy outside the hospital and collating the received patient authentication **information** with authentication **information** registered on the patient personal **information** database 25 and a prescription retrieving means 23 for retrieving a prescription **information** database 26 after authentication and transmitting the relevant prescription **information** to the terminal 30 of the pharmacy outside the hospital.

20/5/2 (Item 2 from file: 347)
DIALOG(R)File 347:JAPIO

07240203 **Image available**
SYSTEM AND METHOD FOR REMOTE MAINTENANCE OF **ELECTRONIC EQUIPMENT**

PUB. NO.: 2002-108654 [JP 2002108654 A]
PUBLISHED: April 12, 2002 (20020412)
INVENTOR(s): AZUMA YUJI
HONJO KATSUHIKO
MORIKAWA KOJI
APPLICANT(s): NIPPON TELEGRAPH & TELEPHONE EAST CORP
APPL. NO.: 2000-295018 [JP 2000295018]
FILED: September 27, 2000 (20000927)

INTL CLASS: **G06F-011/30**

ABSTRACT

PROBLEM TO BE SOLVED: To provide a **system** and method of remote maintenance of **electronic equipment** for promptly performing **diagnosis** or update of **setting information** of **software** mounted on the **electronic equipment** from a computer for maintenance via a communication **network** .

SOLUTION: **Electronic equipment** 10 is provided with a **software setting** part 12 to store the **software setting** information, a communication connector part 11 exclusively used for maintenance, an interface part 13 and an authentication part 14. A computer 60 for maintenance is connected with the **electronic equipment** 10 via the communication **network** 50. A maintenance engineer inputs authentication information in the computer 60 for maintenance, logs in the computer, accesses the **software setting** part 12 and **data** such as the **software setting information** is **transmitted** . The **diagnosis** or the update of the **software setting information** is performed on the basis of the data displayed on the computer 60 for maintenance.

20/5/3 (Item 3 from file: 347)

06990247 **Image available**

METHOD AND DEVICE FOR SESURING **DATA** TRANSFER FROM MEDICAL DEVICE SYSTEM

PUB. NO.: 2001-217823 [JP 2001217823 A]
PUBLISHED: August 10, 2001 (20010810)
INVENTOR(s): NICHOLS TIMOTHY J
APPLICANT(s): MEDTRONIC INC
APPL. NO.: 2000-335454 [JP 2000335454]
FILED: November 02, 2000 (20001102)
PRIORITY: 99 431881 [US 99431881], US (United States of America), November 02, 1999 (19991102)
INTL CLASS: H04L-009/08; A61B-005/00; A61B-005/04; G06F-017/60; G09C-001/00

ABSTRACT

PROBLEM TO BE SOLVED: To provide a method and a device which can safely sesure **data** transfer from a **medical device system** by using a remote communication technique.

SOLUTION: Confidential **data** such as a patient record is safely **transferred** between a **programmer** and **data** encryption. A database existing on the programmer includes patient **information** that can be obtained with at least one plantable **medical device** . A key source respectively offers 1st and 2nd keys used for enciphering/crypto-analysis processes to the programmer and a remote expert **data** center. An enciphering engine in the programmer enciphers confidential patient **information** in the database by using the 1st key. The programmer transmits the patient **information** enciphered through a **data** communication system such as a public **network** to a remote expert **data** center. An enciphering engine in the remote expert **data** center decodes the confidential **information** of a patient enciphered by using the 2nd key.

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20/5/4 (Item 4 from file: 347)
DIALOG(R)File 347:JAPIO
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06988931 **Image available**
MEDICAL PICTURE **INFORMATION SYSTEM** USING MULTI-LAYER **PROTOCOL**

PUB. NO.: 2001-216506 [JP 2001216506 A]
PUBLISHED: August 10, 2001 (20010810)
INVENTOR(s): SAITO MOTOAKI
TAKAHASHI KAZUO
APPLICANT(s): TERARIKON INC
APPL. NO.: 2000-059572 [JP 200059572]
FILED: January 31, 2000 (20000131)
INTL CLASS: G06T-001/00; **G06F-003/00** ; **G06F-013/00** ; **G06F-017/60**

ABSTRACT

PROBLEM TO BE SOLVED: To provide **medical** picture **data** suitable for a user and to suppress the load of a **network** in a **medical** picture **information system** .

SOLUTION: The **medical** picture **information system** including a picture examination **device** 11, a picture data preservation **system** 12, a picture display **device** 13, a picture examination department **network** 15 and a hospital information **system network** 16 is provided with a use profile **setting device** 19 which sets parameters of **medical** picture **data** to be supplied by types of users, a picture **transfer** profile **setting device** 23 which enables a user to correct them, and a picture **data transmission** control **system** 14 which processes **medical** picture **data** on the basis of them. **Medical** picture **data** requested by a use is **transmitted** to a **medical** picture display **device** through the hospital **information system network** 16 after being processed in accordance with the type of the user, and thus not only **medical** picture **data** suitable for the user is provided but also the load of the **network** is suppressed.

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20/5/5 (Item 5 from file: 347)
DIALOG(R)File 347:JAPIO
(c) 2002 JPO & JAPIO. All rts. reserv.

06988846 **Image available**
TRAINING SYSTEM FOR SOFTWARE BASE FOR MEDICAL EQUIPMENT SYSTEM FOR TRANSPLANTATION

PUB. NO.: 2001-216421 [JP 2001216421 A]
PUBLISHED: August 10, 2001 (20010810)
INVENTOR(s): LINBERG KURT R
APPLICANT(s): MEDTRONIC INC
APPL. NO.: 2000-342144 [JP 2000342144]
FILED: November 09, 2000 (20001109)
PRIORITY: 99 437615 [US 99437615], US (United States of America), November 10, 1999 (19991110)
INTL CLASS: G06F-017/60; A61B-005/00; G09B-019/00

ABSTRACT

PROBLEM TO BE SOLVED: To provide a training system, with which interactive **medical equipment** is operated, linked from a distant place for a programmer for a remote **web** expect **data** center and an IMD to **import** simulation training **software** .

SOLUTION: A remote **web** expert **data** center 62 is provided with high speed computer resources 100 and in operable **data** communication with the resources of the remote **web** expert **data** center, a two-way communication system manages and monitors the functions of IMD 10, 10' and 10" through plural software applications while including the collection of patient **data** by coupling a programmer 20 through a two-way communication link to the expect **data** center. This training system is provided with at least one simulation training software program of technology base for training the techician of a programmer to operate plural software applications.

20/5/6 (Item 6 from file: 347)

06160759 **Image available**

ELECTRONIC MAIL LINKED DIAGNOSTIC PROCESSING SYSTEM

PUB. NO.: 11-102303 [JP 11102303 A]
PUBLISHED: April 13, 1999 (19990413)
INVENTOR(s): NAGASHIMA AKIRA
APPLICANT(s): YOKOGAWA ELECTRIC CORP
APPL. NO.: 09-260166 [JP 97260166]
FILED: September 25, 1997 (19970925)
INTL CLASS: G06F-011/22; G06F-013/00

ABSTRACT

PROBLEM TO BE SOLVED: To make a device small-sized and inexpensive by automatically selecting a proper diagnostic program at each time according to an abnormal state of the **device** , **sending** the **diagnostic program** through an **electronic** mail to the device, and executing the program.

SOLUTION: The device 10, a central monitor device 30, and an **electronic** mail processor 50 are connected to a **network** through a transmission line 70. The device 10 is equipped internally with an **electronic** mail processing part 20 which has a mail **server** function and is connected to the **network** . The device 10 informs the central monitor device 30 of abnormality **information** through an electric mail when the abnormality is detected, executes the diagnostic program sent through **electronic** mail from the central monitor device 30, and sends **information** on the diagnostic result back to the central processor through electric mail. The central processor selects the diagnostic program matching the abnormality **information** out of various diagnostic programs for diagnosing the cause of abnormality of the device 10 and sends it through the **electronic** mail to the device 10.

20/5/7 (Item 7 from file: 347)

06018906 **Image available**
PORTABLE TYPE AFFINITY DIAGNOSTIC **DEVICE** BY RADIO COMMUNICATION

PUB. NO.: 10-302006 [JP 10302006 A]
PUBLISHED: November 13, 1998 (19981113)
INVENTOR(s): SUZUKI HISAO
APPLICANT(s): NIKKO DENKI KK [000000] (A Japanese Company or Corporation), JP (Japan)
APPL. NO.: 09-121660 [JP 97121660]
FILED: April 23, 1997 (19970423)
INTL CLASS: [6] **G06F-017/60** ; H04B-001/38
JAPIO CLASS: 45.4 (INFORMATION PROCESSING -- Computer **Applications**); 44.5 (COMMUNICATION -- Radio Broadcasting
JAPIO KEYWORD:R011 (LIQUID CRYSTALS); R116 (**ELECTRONIC** MATERIALS -- Light Emitting Diodes, LED

ABSTRACT

PROBLEM TO BE SOLVED: To easily find a well-suited person from many persons by radio communication by judging mutual affinity from **transmission** data to be **transmitted** and reception **data** **transmitted** from an opposite **machine** and reporting the **diagnosed** result.

SOLUTION: A **transmission** data **setting** means 11 **receives** the input of key switches 3a-3d and the key switch 4 and prepares the **transmission** data. A **transmission** circuit 14 puts the **transmission** data of a **transmission** data storage means 12 on the carrier waves of a prescribed frequency and **transmits** them from an antenna 13 as radio waves for reaching the inside of the range of the radius of about 50 meters. A reception circuit 15 **receives** and demodulates the same kind of the radio waves **transmitted** from the opposite **machine** similar to this portable type affinity **diagnostic** **device** and a reception **data** storage means 16 stores the reception **data** from the reception circuit 15. A **diagnostic** means 18 judges the mutual affinity corresponding to a prescribed judgement formula for the data of the **transmission** data storage means 12 and the reception data storage means 16. Further, a reporting means 19 composed of an alarm and an LED lamp, etc., reports an affinity diagnosed result by the diagnostic means 18.

20/5/8 (Item 8 from file: 347)
DIALOG(R)File 347:JAPIO

05970402 **Image available**
VEHICLE DIAGNOSTIC APPARATUS

PUB. NO.: 10-253502 [JP 10253502 A]
PUBLISHED: September 25, 1998 (19980925)
INVENTOR(s): TAKAKURA TAKASHI
AIBA HIROYUKI
APPLICANT(s): HONDA MOTOR CO LTD [000532] (A Japanese Company or Corporation), JP (Japan)
APPL. NO.: 09-053410 [JP 9753410]
FILED: March 07, 1997 (19970307)
INTL CLASS: [6] G01M-017/007; B60S-005/00
JAPIO CLASS: 26.2 (TRANSPORTATION -- Motor Vehicles)
JAPIO KEYWORD:R107 (**INFORMATION** PROCESSING -- OCR & OMR Optical Readers

ABSTRACT

PROBLEM TO BE SOLVED: To enable shortening of the time required for switching of machine types, by transferring programs for diagnosis between a plurality of portable type diagnostic units.

SOLUTION: A host computer 3 transmits **data** , programs and the like necessary for diagnosing **electronic** controllers (ECU) mounted on vehicles C to testers 2 being a plurality of portable type diagnosing units connected to the respective ECUs. The testers transmit diagnosis **data** to the computer 3 and the testers 2 specify the machine type of the relevant ECU based on the type of the vehicle or the type of the vehicle, which is read from a barcode BC by a **scanner** 22 and demand the computer 3 for a diagnosing program corresponding to the machine type of the ECU requiring the current diagnosis when the machine type of the ECU requiring the diagnosis is different from that receiving immediately before. The computer 3 switches the handling of the diagnosing program only to the reception of diagnosis **data** until a demand for a different diagnosing **data** is given after the transmission to the first **data** 2, for instance. On the other hand, the second tester 2 demands the first tester 2 for a necessary diagnosing program by the switching of the **machine** type. This **diagnosing program** is **transferred** sequentially to the third and fourth testers.

20/5/9 (Item 9 from file: 347)

05647412 **Image available**

OPHTHALMOLOGICAL IMAGE SEARCHING METHOD AND **APPARATUS** THEREFOR

PUB. NO.: 09-262212 [JP 9262212 A]
PUBLISHED: October 07, 1997 (19971007)
INVENTOR(s): KASHIWAGI KENICHI
APPLICANT(s): CANON INC [000100] (A Japanese Company or Corporation), JP (Japan)
APPL. NO.: 08-103161 [JP 96103161]
FILED: March 29, 1996 (19960329)
INTL CLASS: [6] A61B-003/14; A61B-003/10; **G06F-017/30** ; **G06F-019/00**
JAPIO CLASS: 28.2 (SANITATION -- **Medical**); 45.4 (**INFORMATION** PROCESSING -- Computer **Applications**)
JAPIO KEYWORD: R098 (**ELECTRONIC** MATERIALS -- Charge **Transfer** Elements, CCD & BBD); R101 (APPLIED **ELECTRONICS** -- Video Tape Recorders, VTR

ABSTRACT

PROBLEM TO BE SOLVED: To search a desired image in a short time.

SOLUTION: On searching the objective image among images stored in an image memory, firstly an interesting region A on an eye ground image E shown on an image monitor 16 is set. **Setting** the region A, plural images in the region A designated by a data searching unit are displayed on the image monitor 16 and the objective image can be selected among them by using any input **device** of mouse or key board, etc.

20/5/10 (Item 10 from file: 347)

05644450 **Image available**

MEDICAL IMAGE MANAGING METHOD

PUB. NO.: 09-259250 [JP 9259250 A]
PUBLISHED: October 03, 1997 (19971003)
INVENTOR(s): SATO SHINICHI
SANO KOICHI
APPLICANT(s): HITACHI LTD [000510] (A Japanese Company or Corporation), JP (Japan)
APPL. NO.: 08-062460 [JP 9662460]
FILED: March 19, 1996 (19960319)
INTL CLASS: [6] G06T-001/00; **G06F-017/30** ; **G06F-019/00**
JAPIO CLASS: 45.9 (INFORMATION PROCESSING -- Other); 28.2 (SANITATION -- **Medical**); 45.4 (**INFORMATION** PROCESSING -- Computer **Applications**)
JAPIO KEYWORD:R115 (X-RAY **APPLICATIONS**)

ABSTRACT

PROBLEM TO BE SOLVED: To suppress a **system** load and to suppress a customizing man-hour by defining the level of an image to be used, **setting** modes of storage and reference, level by level, by **modalities** , and storing them in a memory, etc., of an image management memory.

SOLUTION: A radiology department **server** 106 of a radiology department DP section generates images of compressibility by usage set in a compressed image basic attribute parameter table 301 for images generated at a photography department 102 and compressibility set on the basis of a storage place, and **sends** them to a set storage place. A flexible image management **system** 120 shows common model constitution of image registration and reference processing at each DB section, and consists of a client 1201, a **server** 1202, an image DB 1203, and tables 301-303 for image management registered on the **server** 1202. Then client 1201 automatically performs a process for registering and referring to images in the image DB 1203 while always referring to the tables 301-303 for image management on the **server** .

20/5/11 (Item 11 from file: 347)
DIALOG(R)File 347:JAPIO

04883274 **Image available**
MEDICAL IMAGE PRESERVATION AND COMMUNICATION **SYSTEM**

PUB. NO.: 07-175874 [JP 7175874 A]
PUBLISHED: July 14, 1995 (19950714)
INVENTOR(s): NAKATANI YUKA
APPLICANT(s): TOSHIBA CORP [000307] (A Japanese Company or Corporation), JP (Japan)
APPL. NO.: 05-320426 [JP 93320426]
FILED: December 20, 1993 (19931220)
INTL CLASS: [6] **G06F-019/00** ; **G06F-013/00** ; G06T-001/00
JAPIO CLASS: 45.4 (INFORMATION PROCESSING -- Computer **Applications**); 28.2 (SANITATION -- **Medical**); 45.2 (**INFORMATION** PROCESSING -- Memory Units); 45.9 (INFORMATION PROCESSING -- Other)
JAPIO KEYWORD:R115 (X-RAY **APPLICATIONS**)

ABSTRACT

PURPOSE: To provide the **medical image** preservation and communication **system** for easily and efficiently select an object patient without

worrying about the order decision of reading when reading image data on a terminal **equipment** .

CONSTITUTION: A **medical image** preservation and communication **system** 1 is connected through **networks** 3a, 3b and 3c to the output side of **modalities** 2a, 2b and 2c. This **system** 1 is provided with plural FS 4a and 4b for image data preservation, automatic distribution controller 5 for controlling the distribution of image data and plural reading WS 6a and 6b for displaying image data, and the respective **devices** are connected through a **network** 7. The automatic distribution controller 6 is functionally provided with an image managing information reception part 9 for **receiving** the registration report of image data from the FS 4a and 4b, distribution control part 10 for controlling the distribution of image data and patient list generation part 11 for generating a patient list. Among these parts, the distribution control part 10 registers inspecting condition file data 12 and distribution instruction queue data 13.

20/5/12 (Item 12 from file: 347)
DIALOG(R)File 347:JAPIO

04298440 **Image available**
MEDICAL IMAGE PROCESSOR

PUB. NO.: 05-290140 [JP 5290140 A]
PUBLISHED: November 05, 1993 (19931105)
INVENTOR(s): OTSUKA HIROYUKI
APPLICANT(s): TOPCON CORP [330193] (A Japanese Company or Corporation), JP (Japan)
APPL. NO.: 04-090756 [JP 9290756]
FILED: April 10, 1992 (19920410)
INTL CLASS: [5] **G06F-015/62** ; A61B-003/14; **G06F-015/42**
JAPIO CLASS: 45.4 (INFORMATION PROCESSING -- Computer **Applications**); 28.2 (SANITATION -- Medical
JAPIO KEYWORD: R098 (**ELECTRONIC** MATERIALS -- Charge **Transfer** Elements, CCD & BBD); R116 (**ELECTRONIC** MATERIALS -- Light Emitting Diodes, LED
JOURNAL: Section: P, Section No. 1692, Vol. 18, No. 89, Pg. 4, February 14, 1994 (19940214)

ABSTRACT

PURPOSE: To provide the **medical image** processor which accurately sets last photographic composition to a preceding photographic composition by easily comparing plural **medical electronic images** which differ in photography time on the same display screen, and easily **setting** photographic conditions such as a last photography position and a photographic view angle without storing nor memorizing them.

CONSTITUTION: A fundus oculi image photographed by a fundus oculi camera is recorded on a recording medium through an arithmetic control circuit 41 and an information recording and reproducing **device** 54, and projected on the main screen 31A of a monitor television 31 through the arithmetic control circuit 41. In this image processor, the arithmetic control circuit 41 displays the fundus oculi images which differ in photography time at the corner parts of the main screen 31A at the same time.

20/5/13 (Item 13 from file: 347)
DIALOG(R)File 347:JAPIO

04265037 **Image available**
FAULT DIAGNOSTIC APPARATUS

PUB. NO.: 05-256737 [JP 5256737 A]
PUBLISHED: October 05, 1993 (19931005)
INVENTOR(s): KITAMURA MASATO
KAMIYAMA YUTAKA
KAMIMURA MASAAKI
NUNOKAWA KAZUYOSHI
APPLICANT(s): NISSAN MOTOR CO LTD [000399] (A Japanese Company or Corporation), JP (Japan)
APPL. NO.: 04-089831 [JP 9289831]
FILED: March 13, 1992 (19920313)
INTL CLASS: [5] G01M-017/00; G05B-023/02; G08C-025/00
JAPIO CLASS: 26.2 (TRANSPORTATION -- Motor Vehicles); 22.3 (MACHINERY -- Control & Regulation); 37.2 (SAFETY -- Traffic); 46.1 (INSTRUMENTATION -- Measurement); 46.2 (INSTRUMENTATION -- Testing)
JAPIO KEYWORD: R131 (**INFORMATION** PROCESSING -- Microcomputers & Microprocessers
JOURNAL: Section: P, Section No. 1673, Vol. 18, No. 18, Pg. 40, January 12, 1994 (19940112)

ABSTRACT

PURPOSE: To obtain a fault diagnostic apparatus, wherein the continuity of the diagnostic function is secured even if protocol abnormality is generated in the **data** received from the object of analysis.

CONSTITUTION: The protocol of the **data** , which are transmitted from an **electronic** control device 2, is judged with a protocol judging means 12. When the **data** having the different protocol are received, the execution of a diagnostic program is temporarily stopped with the diagnostic function at this time point being held. A protocol-change-requesting-signal transmitting means 16 **transmits** a **protocol** -change requesting signal based on the protocol of the fault **diagnosing apparatus** . When the **data** based on the correct **protocol** are **received** from the **electronic** control **device** 2, the **diagnostic** function, which is held beforehand, is restarted with a diagnostic-function restarting means 18. Therefore, it is not necessary to start the communication again from the initial state, and the operation is restarted from the diagnostic function at the time when the abnormality has occurred.

20/5/14 (Item 14 from file: 347)
DIALOG(R)File 347:JAPIO

04249157 **Image available**
FLUORESCENT-ANTIBODY JUDGING **APPARATUS**

PUB. NO.: 05-240857 [JP 5240857 A]
PUBLISHED: September 21, 1993 (19930921)
INVENTOR(s): CHIBA HISASHI
APPLICANT(s): SUZUKI MOTOR CORP [000208] (A Japanese Company or Corporation), JP (Japan)
APPL. NO.: 04-078950 [JP 9278950]
FILED: February 29, 1992 (19920229)
INTL CLASS: [5] G01N-033/543; G01N-021/64; G01N-021/78; **G06F-015/62**

JAPIO CLASS: 46.2 (INSTRUMENTATION -- Testing); 28.2 (SANITATION -- **Medical**); 45.4 (**INFORMATION** PROCESSING -- Computer **Applications**)
JAPIO KEYWORD: R098 (**ELECTRONIC** MATERIALS -- Charge **Transfer** Elements, CCD & BBD); R131 (INFORMATION PROCESSING -- Microcomputers & Microprocessers
JOURNAL: Section: P, Section No. 1665, Vol. 17, No. 699, Pg. 142, December 21, 1993 (19931221)

ABSTRACT

PURPOSE: To make it possible to perform accurate, quick and automatic judgment of negative or positive state without the effects of the background and the distributing state of antibodies by computing the average density value only of the picture elements having the density values higher than a background density value, and comparing the value with a specified threshold value.

CONSTITUTION: An image, which is captured with a fluorescence microscope 1, is picked up with a CCD camera 2, and photoelectrically converted. The result is inputted as an analog image data into an image input board 3 where it is. A/D converted and then stored in an image memory board 4. A computer 5 reads the digital image data from the board 4 and compares the strength of the green signal, which is obtained from the image data before **setting** an object to be judged on the microscope, i.e., a background density value, with the strength of the green signal, which is obtained from the image data when the object to be judged is set on the microscope, i.e., the density value of the object to be judged, for all picture elements. The average density value only of the picture elements having the density values higher than the background density value is computed. The value is compared with a specified threshold value, and the negative and positive states are judged. The result is displayed on a CRT 6.

20/5/15 (Item 15 from file: 347)

04213296 **Image available**
IMAGE COMMUNICATION **SYSTEM**

PUB. NO.: 05-204996 [JP 5204996 A]
PUBLISHED: August 13, 1993 (19930813)
INVENTOR(s): TAWARA KIYOSHI
UMEMURA YOSHIYUKI
APPLICANT(s): TOSHIBA CORP [000307] (A Japanese Company or Corporation), JP (Japan)
APPL. NO.: 04-215691 [JP 92215691]
FILED: July 22, 1992 (19920722)
INTL CLASS: [5] **G06F-015/42** ; **G06F-015/21** ; **G06F-015/64**
JAPIO CLASS: 45.4 (INFORMATION PROCESSING -- Computer **Applications**); 28.2 (SANITATION -- Medical
JAPIO KEYWORD: R007 (ULTRASONIC WAVES); R115 (X-RAY **APPLICATIONS**)
JOURNAL: Section: P, Section No. 1649, Vol. 17, No. 634, Pg. 161, November 24, 1993 (19931124)

ABSTRACT

PURPOSE: To provide an image communication **system** which can quickly visualize the image **data** of the patients required by the doctors, etc., for the **medical** diagnoses.

CONSTITUTION: In an **image** communication **system** , the **medical diagnosing devices** A(sub 1)-A(sub n) are provided to collect the image data on the subjects together with an information storing **device** D which stores the image data **received** from the **devices** A(sub 1)-A(sub n), and the work station **devices** C(sub 1)-C(sub m) which contain the input means that designate the desired image data, the storage means that stores the fetched image data, and the display means that visualize the contents of the storage means respectively and these **devices** are connected to each other via a **network** . Furthermore a **setting** means is added to set a **transfer** destination work station **device** for the collected image data together with a control means contained in one of **devices** C(sub 1)-C(sub m) which **transfers** the corresponding one of those image data collected by the **devices** A(sub 1)-A(sub n) to the storage means of the set work station **device** .

20/5/16 (Item 16 from file: 347)
DIALOG(R)File 347:JAPIO

04167333 **Image available**
PICTURE STORAGE COMMUNICATION **SYSTEM**

PUB. NO.: 05-159033 [JP 5159033 A]
PUBLISHED: June 25, 1993 (19930625)
INVENTOR(s): NISHIHARA EITARO
FUKUSHIMA YOSHITAKA
MOHAMEDO ARI NEMATOBAKUSHIYU
APPLICANT(s): TOSHIBA CORP [000307] (A Japanese Company or Corporation), JP (Japan)
TOSHIBA MEDICAL ENG CO LTD [491188] (A Japanese Company or Corporation), JP (Japan)
APPL. NO.: 03-325735 [JP 91325735]
FILED: December 10, 1991 (19911210)
INTL CLASS: [5] **G06F-015/62** ; A61B-005/00; **G06F-012/00** ; **G06F-013/00** ; **G06F-015/40**
JAPIO CLASS: 45.4 (INFORMATION PROCESSING -- Computer **Applications**); 28.2 (SANITATION -- **Medical**); 45.2 (**INFORMATION** PROCESSING -- Memory Units
JAPIO KEYWORD:R007 (ULTRASONIC WAVES); R115 (X-RAY **APPLICATIONS**)
JOURNAL: Section: P, Section No. 1627, Vol. 17, No. 560, Pg. 101, October 08, 1993 (19931008)

ABSTRACT

PURPOSE: To reduce communication quantity between management parts and the operation load of an additional information management part in a **system** which is provided with picture management parts and the additional information management part and which **receives** a processing request in the additional information management part.

CONSTITUTION: One additional information management part 10 is connected to **LAN** 1 and the plural picture management parts 11a-11d are connected to **LAN** 1 and 2. A **modality** 4 and a work station 5 are connected to **LAN** 1 and 2. The additional information management part 10 **receives** a picture registration request, issues a logical address (identification code) and returns it with a **transfer** destination to the **modality** 4. At that time, the retrieval table 24 of characteristic information and the logical address is generated. The picture management part 11a (...11d) registers a picture and generates the address table 32 of the logical address and a physical address. When the additional information management part 10

receives an access request, it retrieves the logical address and **transmits** the logical address and a request content to the picture management part 11a (...11d). The picture management part retrieves the physical address from the table 32 and executes a processing.

20/5/17 (Item 17 from file: 347)
DIALOG(R)File 347:JAPIO

04116693 **Image available**
DIAGNOSTIC METHOD FOR **INFORMATION** PROCESSOR

PUB. NO.: 05-108393 [JP 5108393 A]
PUBLISHED: April 30, 1993 (19930430)
INVENTOR(s): SHIGEMASA TAKAHIRO
APPLICANT(s): NEC CORP [000423] (A Japanese Company or Corporation), JP (Japan)
APPL. NO.: 03-272915 [JP 91272915]
FILED: October 21, 1991 (19911021)
INTL CLASS: [5] **G06F-011/22** ; **G06F-001/20**
JAPIO CLASS: 45.1 (INFORMATION PROCESSING -- Arithmetic Sequence Units); 42.5 (**ELECTRONICS** -- **Equipment**); 45.9 (INFORMATION PROCESSING -- Other
JOURNAL: Section: P, Section No. 1600, Vol. 17, No. 467, Pg. 26, August 25, 1993 (19930825)

ABSTRACT

PURPOSE: To save the trouble of **setting** a heater in a diagnostic test under the hot temperature by raising the temperature of a portion to be diagnosed by stopping a fan according to an indication from a diagnosis execution part.

CONSTITUTION: In executing a diagnostic **program** for a portion 4 to be diagnosed through an interface signal 12, a diagnostic execution part 1 outputs a signal 11 indicating stopping the fan. A fan control part 2 **receiving** the signal 11 disconnects a power supply 13 for fan and stops the rotation of the fan 3 cooling down the portion 4 to be diagnosed. Thus, the temperature of the portion 4 to be diagnosed is raised, and the diagnosis under the hot temperature is automatically executed without providing any special heaters.

20/5/18 (Item 18 from file: 347)
DIALOG(R)File 347:JAPIO

04089502 **Image available**
INSTANTANEOUS FAULT DETECTION **SYSTEM** FOR COMMUNICATION **NETWORK EQUIPMENT**

PUB. NO.: 05-081202 [JP 5081202 A]
PUBLISHED: April 02, 1993 (19930402)
INVENTOR(s): MOGI NOBUO
APPLICANT(s): SHIKOKU NIPPON DENKI SOFTWARE KK [000000] (A Japanese Company or Corporation), JP (Japan)
APPL. NO.: 03-268517 [JP 91268517]
FILED: September 20, 1991 (19910920)
INTL CLASS: [5] **G06F-015/00** ; **G06F-013/00** ; H04L-012/24; H04L-012/26; H04L-029/14

JAPIO CLASS: 45.4 (INFORMATION PROCESSING -- Computer **Applications**); 44.3 (COMMUNICATION -- Telegraphy); 45.2 (INFORMATION PROCESSING -- Memory Units
JOURNAL: Section: P, Section No. 1585, Vol. 17, No. 419, Pg. 148, August 04, 1993 (19930804)

ABSTRACT

PURPOSE: To instantaneously detect a fault on a communication **network equipment** especially in a non-communication state in an **on - line system** .

CONSTITUTION: The feature part of this invention executes instantaneous fault detection and processing corresponding to the fault based upon the **transmission** of a diagnostic message to a relating terminal and that of an operation status informing message, i.e., a positive acknowledge message (+RSP) or a negative acknowledge message (-RSP), from the terminal at a constant time interval through interval timer **setting** (2.1), **diagnostic** message edition/ **transmission** (2.4), fault status **information** (2.10), and message **transmission** stop/fault message storage (2.11). Thereby the fault maintenance work of the communication **network equipment** and the saving (contact with a user through a substitutive means or the like) of a message generated from a center can be rapidly and exactly executed and the operation rate and reliability of the whole **on - line system** can be improved.

20/5/19 (Item 19 from file: 347)

04036584 **Image available**
DATA COLLECTING **DEVICE**

PUB. NO.: 05-028284 [JP 5028284 A]
PUBLISHED: February 05, 1993 (19930205)
INVENTOR(s): KAWANABE NOBUYUKI
APPLICANT(s): FUJITSU LTD [000522] (A Japanese Company or Corporation), JP (Japan)
APPL. NO.: 03-180024 [JP 91180024]
FILED: July 20, 1991 (19910720)
INTL CLASS: [5] **G06F-015/74** ; **G06F-015/42** ; **G06F-015/74**
JAPIO CLASS: 45.4 (INFORMATION PROCESSING -- Computer **Applications**); 28.2 (SANITATION -- Medical
JOURNAL: Section: P, Section No. 1556, Vol. 17, No. 311, Pg. 49, June 14, 1993 (19930614)

ABSTRACT

PURPOSE: To execute **on - line** connection by providing an interface control part with an interface parameter table, repeating **data** collection and automatically confirming a connection interface with a **medical equipment** , for example, so as to make the connection interface of a data collection **device** to coincide with a connecting **equipment** interface.

CONSTITUTION: Data generated by a connecting **equipment** 2 is **received** at an interface controlling circuit 11. Then, the result of **received** data is grasped and interface parameters such as a **transferring** speed, the presence/absence of a parity bit and the width of a stop bit, etc., are successively fetched by switching from the interface parameter table 101 at an interface controlling circuit 10 at each time when an error is generated at the time of a flaming check or a parity check, etc. Then, collecting

data by **setting** it to a control register 100 is automatically repeated in the interface controlling circuit until text data can be normally obtained.

20/5/20 (Item 20 from file: 347)
DIALOG(R)File 347:JAPIO

03987835 **Image available**
IMAGE PROCESSING METHOD AND **SYSTEM** EMPLOYING THIS METHOD

PUB. NO.: 04-352935 [JP 4352935 A]
PUBLISHED: December 08, 1992 (19921208)
INVENTOR(s): KOGA SHINICHIRO
URUSHIYA HIROYUKI
YOSHIZAKI OSAMU
APPLICANT(s): CANON INC [000100] (A Japanese Company or Corporation), JP (Japan)
APPL. NO.: 03-125883 [JP 91125883]
FILED: May 29, 1991 (19910529)
INTL CLASS: [5] A61B-003/14; **G06F-015/62** ; G06F-015/62 ; **G06F-015/64**
JAPIO CLASS: 28.2 (SANITATION -- **Medical**); 45.4 (**INFORMATION** PROCESSING -- Computer **Applications**)
JAPIO KEYWORD: R098 (**ELECTRONIC** MATERIALS -- Charge **Transfer** Elements, CCD & BBD)
JOURNAL: Section: C, Section No. 1052, Vol. 17, No. 211, Pg. 84, April 26, 1993 (19930426)

ABSTRACT

PURPOSE: To provide a constantly optimum shading correction image by **setting** a parameter, by means of which the nature of an inputted image is represented, to produce a mask image for correcting shading and performing correction of shading of an inputted image by using the mask image.

CONSTITUTION: When an image processing method is applied to an ophthalmic image processing **system** , after an eyeground photograph photographed by a fundus camera **device** 1 is converted into digital data by means of a slide **scanner** 2, various **image** processing and analyzing **diagnosis** are effected by means of a computer 3. Correction of shading of an inputted image is effected but in this case, a cut frequency being the frequency of a macula lutea considered to have a minimum frequency is set as a parameter. Based on the parameter, the size of a smoothing filter for producing a shading image and the number of repeating times are decided. By using a table **preset** based on the parameter, a mask image for correcting shading is produced, and by using the mask image, correction of shading of an inputted image is effected.

20/5/21 (Item 21 from file: 347)
DIALOG(R)File 347:JAPIO

03792347 **Image available**
RADIOACTION IMAGE READER

PUB. NO.: 04-157447 [JP 4157447 A]
PUBLISHED: May 29, 1992 (19920529)
INVENTOR(s): NAKAJIMA NOBUYOSHI
APPLICANT(s): FUJI PHOTO FILM CO LTD [000520] (A Japanese Company or Corporation), JP (Japan)

APPL. NO.: 02-282341 [JP 90282341]
FILED: October 20, 1990 (19901020)
INTL CLASS: [5] G03B-042/02; A61B-006/00; G03C-005/16; G03D-015/00; **G06F-015/42** ; G07C-001/10
JAPIO CLASS: 29.1 (PRECISION INSTRUMENTS -- Photography & Cinematography); 28.2 (SANITATION -- Medical); 29.4 (PRECISION INSTRUMENTS -- Business Machines); 45.4 (INFORMATION PROCESSING -- Computer **Applications**)
JAPIO KEYWORD: R098 (**ELECTRONIC** MATERIALS -- Charge **Transfer** Elements, CCD & BBD); R115 (X-RAY **APPLICATIONS**)
JOURNAL: Section: P, Section No. 1423, Vol. 16, No. 448, Pg. 111, September 17, 1992 (19920917)

ABSTRACT

PURPOSE: To easily grasp the information related to a radioactive ray image without requiring manual work by installing a film digitizer for obtaining the image signal which represents a radioactive ray image and an ID terminal into which the ID information for specifying the radioactive ray image is input ted.

CONSTITUTION: When an X-ray film 1 is transported in the direction of arrow Y in a film digitizer 5, and reaches the position nipped between a lamp 6 and a line sensor 7, the light **transmitted** from the lamp 6 is intensity-modulated by an **X - ray image** recorded on the **X - ray** film 1 and **transmits** , and an analog **image** signal SA for one line portion in the vertical direction (X direction) is obtained. Further, a computer **system** 20 encloses an ID terminal, and the ID **information** for specifying the **X - ray image** such as the name of photographed body, No., photographed part, photographing method, date, etc., which corresponds to the **X - ray image** recorded on the **X - ray** film 1 is inputted from a keyboard, and the ID signal SID which represents the ID information is generated. Accordingly, the labor for the **setting** on the film digitizer is eliminated, and the image signal and the ID information are allowed to easily correspond to each other.

20/5/22 (Item 22 from file: 347)
DIALOG(R)File 347:JAPIO

03629670 **Image available**
MEDICAL IMAGE CONTROL **SYSTEM**

PUB. NO.: 03-292570 [JP 3292570 A]
PUBLISHED: December 24, 1991 (19911224)
INVENTOR(s): SUZUKI MASAYOSHI
KOIKE KIYOSHI
APPLICANT(s): HITACHI MEDICAL CORP [420143] (A Japanese Company or Corporation), JP (Japan)
APPL. NO.: 02-094023 [JP 9094023]
FILED: April 11, 1990 (19900411)
INTL CLASS: [5] **G06F-015/40** ; **G06F-015/42**
JAPIO CLASS: 45.4 (INFORMATION PROCESSING -- Computer **Applications**); 28.2 (SANITATION -- Medical
JOURNAL: Section: P, Section No. 1331, Vol. 16, No. 125, Pg. 148, March 30, 1992 (19920330)

ABSTRACT

PURPOSE: To add all necessary patient attribute information to the image data with input of the least patient attribute information by **sending** a patient attribute information file to an editing **device** , etc., from an

image reading **device** via a **network** .

CONSTITUTION: The image data display **devices** IWS 1 and 2 connected to a host computer of a hospital information **system** HIS included in a **network** 101 **receive** a reserved patient file on the relevant day from the HIS and produces the reserved patient files for each of **devices** IWS 1 and 2 and the converters CONV 3 - 5 which are connected to the **network** . Then, these pro duced files are automatically **sent** to each **device** at each set time. Thus the necessary petient attribute information can be added to the additional informa tion on the image data just with input of the simplified information on the patient ID Nos, etc., without inputting the detailed patient attribute information in each **modality** .

20/5/23 (Item 23 from file: 347)
DIALOG(R)File 347:JAPIO

03412663 **Image available**
METHOD FOR JUDGING PARTICLE AGGREGATION

PUB. NO.: 03-075563 [JP 3075563 A]
PUBLISHED: March 29, 1991 (19910329)
INVENTOR(s): WATANABE HARUHISA
TANAKA TOMOHITO
MATSUYAMA SHINYA
APPLICANT(s): OLYMPUS OPTICAL CO LTD [000037] (A Japanese Company or Corporation), JP (Japan)
APPL. NO.: 01-212006 [JP 89212006]
FILED: August 17, 1989 (19890817)
INTL CLASS: [5] G01N-033/49; G01N-015/00; **G06F-015/42** ; **G06F-015/62**
JAPIO CLASS: 46.2 (INSTRUMENTATION -- Testing); 28.2 (SANITATION -- **Medical**); 45.4 (**INFORMATION** PROCESSING -- Computer **Applications**)
JAPIO KEYWORD:R101 (APPLIED **ELECTRONICS** -- Video Tape Recorders, VTR
JOURNAL: Section: P, Section No. 1217, Vol. 15, No. 242, Pg. 53, June 21, 1991 (19910621)

ABSTRACT

PURPOSE: To facilitate initial **setting** based on the visual observation of attributes by operating the result of the judgment based on the visual observation of the pattern of a standard sample and the parameter of the pattern of the standard sample, and computing the threshold value of the parameter for judging the attributes.

CONSTITUTION: The pattern of a standard sample for **setting** a threshold value for an image recording and regenerating **device** 1 is sequentially outputted and displayed on a CRT monitor 2. The attributes of the pattern are judged visually. The result of the judgment is inputted into a data processing control **device** 4 and stored in the **device** 1. The sample data of the standard sample are sequentially read into the **device** 4 through an image **receiving** **device** 3. At the same time, the result of the visual judgment stored in the **device** 1 is read through an interface circuit 10. The **device** 4 computes the parameters for judging the attributes for the read standard sample. Said procedure is repeated for all the standard samples. The computed parameters and the results of the visual judgment are compared and operated 4, and the threshold value of the parameters is computed. Said value is stored in the **device** 4 as the initialized value and used for the actual judgment of a body to be detected.

20/5/24 (Item 24 from file: 347)
DIALOG(R)File 347:JAPIO

03379888 **Image available**
DATA GATHERING **DEVICE**

PUB. NO.: 03-042788 [JP 3042788 A]
PUBLISHED: February 22, 1991 (19910222)
INVENTOR(s): YAMADA YOSHINOBU
APPLICANT(s): NEC CORP [000423] (A Japanese Company or Corporation), JP (Japan)
APPL. NO.: 01-177151 [JP 89177151]
FILED: July 11, 1989 (19890711)
INTL CLASS: [5] **G06F-015/74**
JAPIO CLASS: 45.4 (INFORMATION PROCESSING -- Computer **Applications**)
JAPIO KEYWORD:R011 (LIQUID CRYSTALS)
JOURNAL: Section: P, Section No. 1201, Vol. 15, No. 188, Pg. 64, May 15, 1991 (19910515)

ABSTRACT

PURPOSE: To make it possible to gather **on - line** data, and to shorten read time by **setting** parameter information required for gathering the **on - line** data from different kinds of **devices** in an EE-PROM part from an operation display part.

CONSTITUTION: When the parameter information is set in the EE-PROM part 18 from the operation display part 16, an address/information converting part 17 reads out the parameter information, that is, a logical address and logical **information** required for gathering the **on - line data** from a **medical equipment** , and converts them into the **apparatus** address and the **equipment** information of a data gathering **device** 2. Then, it **transfers** the **equipment** address and the **equipment** information to a common control part 11, and further, the com mon control part 11 **transfers** the **equipment** address and the **equipment** informa tion to a serial control part 12 or a parallel control part 14 so as to set them in it. As a result, the **on - line data** from the **medical equipment** can be gathered.

20/5/25 (Item 25 from file: 347)
DIALOG(R)File 347:JAPIO

03369243 **Image available**
PROCESSOR EXTENSION METHOD FOR MULTIPLE DECENTRALIZATION CONTROL EXCHANGE SYSTEM

PUB. NO.: 03-032143 [JP 3032143 A]
PUBLISHED: February 12, 1991 (19910212)
INVENTOR(s): HAYASHI MICHINORI
APPLICANT(s): NEC CORP [000423] (A Japanese Company or Corporation), JP (Japan)
APPL. NO.: 01-167567 [JP 89167567]
FILED: June 28, 1989 (19890628)
INTL CLASS: [5] H04M-003/22; G06F-015/16; H04Q-003/545
JAPIO CLASS: 44.4 (COMMUNICATION -- Telephone); 45.4 (**INFORMATION** PROCESSING -- Computer Applications
JOURNAL: Section: E, Section No. 1059, Vol. 15, No. 159, Pg. 150,

April 22, 1991 (19910422)

ABSTRACT

PURPOSE: To extend a processor without stopping the service of an exchange by incorporating an extended processor to an active system and using a host processor so as to execute the diagnosis and initial setting.

CONSTITUTION: A host processor 1 loads an initial program to an extended local processor 4 from the active system in operation to raise the system and transfers a local processor diagnostic program to execute the **diagnosis** of the **device** of the extension processor 4. Then the local processor **program** is **transferred** to the extension processor 4, sets the initial setting start task to reset the memory for the hardware and software of the extension processor 4 and to set the initial value. In order to integrate the extension processor 4 to the **on - line** system in operation, an **information** transfer start command is sent to all local processors 3. Thus, the processor is extended without stopping the service of the exchange.

20/5/26 (Item 26 from file: 347)

03294587 **Image available**

INPUT **DEVICE** FOR FINGERPRINT COLLATING **DEVICE**

PUB. NO.: 02-270087 [JP 2270087 A]
PUBLISHED: November 05, 1990 (19901105)
INVENTOR(s): SHINDO YASUSHI
APPLICANT(s): OKI ELECTRIC IND CO LTD [000029] (A Japanese Company or Corporation), JP (Japan)
APPL. NO.: 01-090763 [JP 8990763]
FILED: April 12, 1989 (19890412)
INTL CLASS: [5] G06K-009/00; A61B-005/117; **G06F-015/62** ; **G06F-015/64**
JAPIO CLASS: 45.3 (INFORMATION PROCESSING -- Input Output Units); 28.2 (SANITATION -- **Medical**); 45.4 (**INFORMATION** PROCESSING -- Computer **Applications**)
JAPIO KEYWORD: R098 (**ELECTRONIC** MATERIALS -- Charge **Transfer** Elements, CCD & BBD)
JOURNAL: Section: P, Section No. 1157, Vol. 15, No. 30, Pg. 53, January 24, 1991 (19910124)

ABSTRACT

PURPOSE: To exactly detect a fingerprint while interlocking the set operation of a finger by providing a detecting means to detect the **setting** state of the finger of a person by which personal confirmation is executed to a prism and obtaining an output signal from this detecting means.

CONSTITUTION: Separately from a light source 13 for fingerprint detection, a light source 15 for sensor is provided to detect whether a finger 12 is set to a prism 11 or not. Then, the finger is irradiated with light from this light source 15 and reflected light is detected by a light **receiving device** 16. Such a detection signal S(sub 0) is used as the input signal Si of a main power source 24 and the main power source is turned on. Thus, when the finger is set to an input side, the state can be automatically detected and the fingerprint can be exactly detected.

20/5/27 (Item 27 from file: 347)

DIALOG(R)File 347:JAPIO
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03220435 **Image available**
MEDICAL INFORMATION PROCESSING **SYSTEM**

PUB. NO.: 02-195935 [JP 2195935 A]
PUBLISHED: August 02, 1990 (19900802)
INVENTOR(s): OHASHI AKINAMI
APPLICANT(s): TOSHIBA CORP [000307] (A Japanese Company or Corporation), JP (Japan)
APPL. NO.: 01-015083 [JP 8915083]
FILED: January 26, 1989 (19890126)
INTL CLASS: [5] A61B-005/00; **G06F-015/21**
JAPIO CLASS: 28.2 (SANITATION -- **Medical**); 45.4 (**INFORMATION** PROCESSING -- Computer **Applications**)
JOURNAL: Section: C, Section No. 770, Vol. 14, No. 475, Pg. 71, October 17, 1990 (19901017)

ABSTRACT

PURPOSE: To obtain a new diagnostic logic in a short time when a diagnostic logic must be changed by making the presentation number of instructor data of the second group several times the presentation number of the first group initially in the additional learning, gradually decreasing the presentation number of the second group as the learning is progressed, and making the presentation numbers of the first group and the second group equal for learning.

CONSTITUTION: A health **system** 1 collects and compiles various input **data** concerning **medical** care and outputs the compiled results to an **image** display **device** 2, and the compiled results are outputted as a hard copy by a printer 4 in response to **preset** input operations via a keyboard 3. The health **system** 1 has the functional constitution of an instructor data **transfer** control means 5 and has a neural **network** 6, a blood sugar value measuring **device** 7, and a urine sugar measuring **device** 8. The presentation number of instructor data of the second group is made several times the presentation number of the first group initially in the additional learning, the presentation numbers of learning data of the first group and the second group are made equal as the learning is progressed, thus the learning is progressed relatively quickly.

20/5/28 (Item 28 from file: 347)
DIALOG(R)File 347:JAPIO
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03220434 **Image available**
MEDICAL INFORMATION PROCESSING **SYSTEM**

PUB. NO.: 02-195934 [JP 2195934 A]
PUBLISHED: August 02, 1990 (19900802)
INVENTOR(s): OHASHI AKINAMI
APPLICANT(s): TOSHIBA CORP [000307] (A Japanese Company or Corporation), JP (Japan)
APPL. NO.: 01-015082 [JP 8915082]
FILED: January 26, 1989 (19890126)
INTL CLASS: [5] A61B-005/00; **G06F-015/21**
JAPIO CLASS: 28.2 (SANITATION -- **Medical**); 45.4 (**INFORMATION** PROCESSING -- Computer **Applications**)
JOURNAL: Section: C, Section No. 770, Vol. 14, No. 475, Pg. 71,

October 17, 1990 (19901017)

ABSTRACT

PURPOSE: To obtain a diagnostic logic in a short time by performing rough sorting in the first processing by a neural **network** and performing fine sorting in sequence in the subsequent second processing and thereafter.

CONSTITUTION: A health **system** 1 collects and compiles various input **data** concerning **medical** care and outputs compilation processing results to an **image** display **device** 2, and the processed results are outputted as a hard copy by a printer 4 in response to **preset** input operations via a keyboard 3. The health **system** 1 has the functional constitution of an instructor data **transfer** control means 5A and a weight **transfer** control means 5B and has a neural **network** 6, a blood sugar value measuring **device** , and a urine sugar measuring **device** 8. The processing by the neural **network** 6 is divided into multiple stages, rough sorting is performed in the first stage, finer sorting is performed in the second stage and thereafter within the sorting selected in the first stage, thus the learning by the neural **network** 6 is progressed very quickly. When the diagnostic logic must be changed, an expert **system** can obtain the diagnostic logic from a doctor in a relatively short time.

20/5/29 (Item 29 from file: 347)

03114534 **Image available**

DIAGNOSING SYSTEM OF VEHICLE

PUB. NO.: 02-090034 [JP 2090034 A]
PUBLISHED: March 29, 1990 (19900329)
INVENTOR(s): ABE KUNIHIRO
APPLICANT(s): FUJI HEAVY IND LTD [000534] (A Japanese Company or Corporation), JP (Japan)
APPL. NO.: 63-243668 [JP 88243668]
FILED: September 28, 1988 (19880928)
INTL CLASS: [5] G01M-017/00; G01M-015/00
JAPIO CLASS: 26.2 (TRANSPORTATION -- Motor Vehicles); 21.2 (ENGINES & TURBINES, PRIME MOVERS -- Internal Combustion); 46.2 (INSTRUMENTATION -- Testing)
JAPIO KEYWORD: R005 (PIEZOELECTRIC FERROELECTRIC SUBSTANCES); R131 (**INFORMATION** PROCESSING -- Microcomputers & Microprocessers
JOURNAL: Section: P, Section No. 1066, Vol. 14, No. 293, Pg. 43, June 25, 1990 (19900625)

ABSTRACT

PURPOSE: To improve the efficiency of operation by a construction wherein an **electronic** control device mounted on a vehicle is provided with a means for storing a program for a vehicle diagnosing apparatus, while the vehicle diagnosing apparatus connected to the **electronic** control device is provided with a boot-program storing means.

CONSTITUTION: An **electronic** control apparatus 2 is mounted on a vehicle 1. The apparatus 2 is provided with a connector 24 for external connection, to which an input/output connector 26 of a vehicle diagnosing apparatus 25 is connected through the intermediary of an adapter harness 27. This apparatus is provided in a service station, a control element is provided inside, and an indicator element 30, a display 31 and a keyboard 32 are provided outside. This device is connected to a power source of the vehicle 1 through the intermediary of an ON-OFF operation switch 43. In the

apparatus 2 a boot-program for the vehicle **diagnosing apparatus** is stored. Besides, in the control element of the apparatus 25, a **program** for **loading** the **program** for the vehicle **diagnosing apparatus** from the apparatus 2 on the occasion initialization and executing this program for the vehicle **diagnosing apparatus** thereafter, is stored. Accordingly, the diagnosis of the vehicle can be executed efficiently.

20/5/30 (Item 30 from file: 347)
DIALOG(R)File 347:JAPIO

03084364 **Image available**
MEDICAL IMAGE FILE **DEVICE**

PUB. NO.: 02-059864 [JP 2059864 A]
PUBLISHED: February 28, 1990 (19900228)
INVENTOR(s): TAKAHASHI YUKIO
APPLICANT(s): TOSHIBA CORP [000307] (A Japanese Company or Corporation), JP (Japan)
APPL. NO.: 63-211063 [JP 88211063]
FILED: August 24, 1988 (19880824)
INTL CLASS: [5] **G06F-015/40** ; A61B-005/00
JAPIO CLASS: 45.4 (INFORMATION PROCESSING -- Computer **Applications**); 28.2 (SANITATION -- Medical); 42.5 (**ELECTRONICS** -- **Equipment**)
JAPIO KEYWORD: R131 (INFORMATION PROCESSING -- Microcomputers & Microprocessers)
JOURNAL: Section: P, Section No. 1050, Vol. 14, No. 238, Pg. 107, May 21, 1990 (19900521)

ABSTRACT

PURPOSE: To easily record a necessary **medical image** on an optical disk without **loading** any load on a **modality** side by providing a control means which adds a recording table where a flag which indicates whether or not the same image is filed on the optical disk is set.

CONSTITUTION: The control means 1 files the **medical image** on a magnetic disk 8 and also adds the recording table wherein the flag indicating whether or not the same image is filed on the optical disk 10 is set. Then a flag indicating whether or not the same image is recorded on the optical disk 10 is set on condition that the **medical image** is recorded on the magnetic disk 8 is set and this flag is confirmed to know whether or not the same image is recorded on the optical disk 10. Therefore, only the necessary **medical image** can be recorded on the optical disk on the side of the file **device** . Consequently, no load is placed on the **modality** side.

20/5/31 (Item 31 from file: 347)
DIALOG(R)File 347:JAPIO

03023985 **Image available**
SWITCH **DEVICE** WITH FINGERPRINT COLLATING FUNCTION

PUB. NO.: 01-321585 [JP 1321585 A]
PUBLISHED: December 27, 1989 (19891227)
INVENTOR(s): MIYATA HIROBUMI
APPLICANT(s): OMRON TATEISI ELECTRON CO [000294] (A Japanese Company or

Corporation), JP (Japan)
APPL. NO.: 63-155809 [JP 88155809]
FILED: June 23, 1988 (19880623)
INTL CLASS: [4] G06K-009/00; **G06F-015/62**
JAPIO CLASS: 45.3 (INFORMATION PROCESSING -- Input Output Units); 28.2 (SANITATION -- **Medical**); 45.4 (**INFORMATION** PROCESSING -- Computer **Applications**)
JAPIO KEYWORD: R116 (**ELECTRONIC** MATERIALS -- Light Emitting Diodes, LED
JOURNAL: Section: P, Section No. 1020, Vol. 14, No. 129, Pg. 81, March 12, 1990 (19900312)

ABSTRACT

PURPOSE: To turn on a switch contact part and then to turn it off in an optional timing by performing the reading job of fingerprint and the ON/OFF actions of said contact part with pushing operation of a movable object.

CONSTITUTION: When a movable object 2 is pushed by a finger set on a finger **setting** surface 2a, a contact part 22a of a lock type switch 22 is turned on. Then the switch 22 outputs the timing signals to a fingerprint reading part 14 and a fingerprint collation processing part 20 respectively. The part 14 reads the fingerprint of the finger set on the surface 2a of the object 2 in response to the input of the timing signal. While the part 20 collates the fingerprint data read by the part 14 with the registered fingerprint data **received** from a memory 18 to check the coincidence or anti-coincidence between both data. Thus the part 22a is turned off in an optional timing and at the same time the ON/OFF states are easily confirmed.

20/5/32 (Item 32 from file: 347)

02964187 **Image available**
RADIOGRAPH PROCESSOR

PUB. NO.: 01-261787 [JP 1261787 A]
PUBLISHED: October 18, 1989 (19891018)
INVENTOR(s): TAKEUCHI HIROSHI
APPLICANT(s): KONICA CORP [000127] (A Japanese Company or Corporation), JP (Japan)
APPL. NO.: 63-089118 [JP 8889118]
FILED: April 13, 1988 (19880413)
INTL CLASS: [4] **G06F-015/62** ; A61B-006/00; **G06F-015/62** ; **G06F-015/68** ; G09G-001/00; G09G-001/00; H04N-001/40
JAPIO CLASS: 45.4 (INFORMATION PROCESSING -- Computer **Applications**); 28.2 (SANITATION -- Medical); 44.7 (COMMUNICATION -- Facsimile); 44.9 (COMMUNICATION -- Other
JAPIO KEYWORD: R002 (LASERS); R007 (ULTRASONIC WAVES); R011 (LIQUID CRYSTALS); R098 (**ELECTRONIC** MATERIALS -- Charge **Transfer** Elements, CCD & BBD); R115 (**X - RAY APPLICATIONS**); R131 (**INFORMATION** PROCESSING -- Microcomputers & Microprocessers
JOURNAL: Section: P, Section No. 989, Vol. 14, No. 15, Pg. 109, January 12, 1990 (19900112)

ABSTRACT

PURPOSE: To obtain a hard copy of an image equal to an image expected from a display image by providing the title **device** with a density **setting** means, highlighting an image signal value to be recorded by the set density and displaying the highlighted value on an image display means.

CONSTITUTION: A digital image is inputted to a storage **device** 2 and automatic hierarchical processing is executed by a lookup table 3 based upon a hierarchical processing condition set by a controller 6. When a user specifies density by a density specifying key 93, an image automatically hierarchically processed and highlighted at its specified density part is displayed on a display **device** 8. When the result of hierarchical processing is not good, the highlighting part is adjusted by a lightness adjusting key 91 so as to be positioned on a portion to be recorded by the specified density by an operation part 9 while observing a picture. Consequently, the portion is recorded by the specified density and a hard copy similar to an image expected from the display image is obtained.

20/5/33 (Item 33 from file: 347)
DIALOG(R)File 347:JAPIO

02721867 **Image available**
MEDICAL IMAGE PRESERVING AND COMMUNICATING **SYSTEM**

PUB. NO.: 01-019467 [JP 1019467 A]
PUBLISHED: January 23, 1989 (19890123)
INVENTOR(s): TAWARA KIYOSHI
APPLICANT(s): TOSHIBA CORP [000307] (A Japanese Company or Corporation), JP (Japan)
APPL. NO.: 62-176837 [JP 87176837]
FILED: July 15, 1987 (19870715)
INTL CLASS: [4] **G06F-015/40** ; **G06F-015/62**
JAPIO CLASS: 45.4 (INFORMATION PROCESSING -- Computer **Applications**); 28.2 (SANITATION -- Medical
JAPIO KEYWORD: R007 (ULTRASONIC WAVES); R115 (X-RAY **APPLICATIONS**)
JOURNAL: Section: P, Section No. 868, Vol. 13, No. 197, Pg. 107, May 11, 1989 (19890511)

ABSTRACT

PURPOSE: To facilitate image retrieval by taking out an image on a **modality** side from the image display **device** side through a repeater.
CONSTITUTION: In case of image retrieval from an image display **device** (VC) 3 of each department, respective VCs 3a-3c retrieve images from image preserving **devices** (DB) 2a-2c through independent **networks** 9a-9c independently of one another. A repeater 40 is used to retrieve even unexamined images on the side of a **modality** 1. Thus, an examining doctor easily retrieves images, and the access time is shortened to improve the image **transfer** efficiency.

20/5/34 (Item 34 from file: 347)
DIALOG(R)File 347:JAPIO

02181557 **Image available**
AUTOMATIC INPUT AND SUMMING-UP **DEVICE** FOR **MEDICAL** EXAMINATION **DATA**

PUB. NO.: 62-098457 [JP 62098457 A]
PUBLISHED: May 07, 1987 (19870507)
INVENTOR(s): YATSUGAMI JUNICHI
APPLICANT(s): YAGAMI KK [000000] (A Japanese Company or Corporation), JP (Japan)
APPL. NO.: 60-238238 [JP 85238238]
FILED: October 24, 1985 (19851024)

INTL CLASS: [4] **G06F-015/21** ; A61B-010/00
JAPIO CLASS: 45.4 (INFORMATION PROCESSING -- Computer **Applications**);
28.2 (SANITATION -- Medical
JAPIO KEYWORD:R116 (**ELECTRONIC** MATERIALS -- Light Emitting Diodes, LED);
R131 (INFORMATION PROCESSING -- Microcomputers & Microprocessers
JOURNAL: Section: P, Section No. 624, Vol. 11, No. 308, Pg. 36, October 08, 1987 (19871008)

ABSTRACT

PURPOSE: To quickly obtain useful **medical** examination measurement statistical **information** by writing automatically a **medical** examination measured value in a magnetic card which has been prepared to each person to be measured, reading an examination data and **transmitting** it a mecial examination data summing-up computer, and executing a summing-up/statistic processing in accordance with a summing-up/statistic **program** .

CONSTITUTION: For instance, in case of a weight meter 1, a measured value display signal corresponding to a weight measured value of a pupil is outputted from a weight measuring part 1A, inputted to an indicator 1B, and a branching circuit 1C is formed from an optional part of an electric circuit for connecting the weight measuring part 1A and the indicator 1B, and connected to an examination **data transfer** part 4A of a **medical** examination **data** automatic input part 4. The **medical** examination **data** automatic input part 4 contains an examination **data transfer** part 4A and a card reader/writer part 4B, and a magnetic card 5 to which write has been executed magnetically in advance so that each pupil can be discriminatd is inserted into a card insertion port. The data **transfer** part 4A is provided with a **device** number **setting** switch 4C for discrimination, and its signal is combined with a **device** BCD signal corresponding to a set number '01' and outputted as an examination measurement data signal to the card reader/writer part 4B.

20/5/35 (Item 35 from file: 347)
DIALOG(R)File 347:JAPIO

02103051 **Image available**
SEMICONDUCTOR DISK **DEVICE**

PUB. NO.: 62-019951 [JP 62019951 A]
PUBLISHED: January 28, 1987 (19870128)
INVENTOR(s): SEKI KAZUHISA
APPLICANT(s): FUJITSU LTD [000522] (A Japanese Company or Corporation), JP (Japan)
APPL. NO.: 60-157513 [JP 85157513]
FILED: July 17, 1985 (19850717)
INTL CLASS: [4] **G06F-012/16** ; **G06F-012/00**
JAPIO CLASS: 45.2 (INFORMATION PROCESSING -- Memory Units)
JAPIO KEYWORD:R131 (INFORMATION PROCESSING -- Microcomputers & Microprocessers)
JOURNAL: Section: P, Section No. 589, Vol. 11, No. 197, Pg. 60, June 25, 1987 (19870625)

ABSTRACT

PURPOSE: To improve both the maintanability and the reliability of a semiconductor disk **device** by dividing logically a semiconductor storage **device** into plural logic drives, saving the contents of the logic driven that **received** an off-line instruction to a nonvolatile storage means and

then attaining the free diagnosis with an off-line to said logic drive.

CONSTITUTION: A logic division **setting** circuit 2 is provided for division of a memory 8 into plural logic drives. An **on - line** /off-line indicating part 3 gives the **on - line** or off-line instruction to each logic drive divided by the circuit 2. When a maintenance operator informs an off-line operation to a prescribed logic drive, a MPU 1 designates an off-line operation with said logic drive via the part 3. Here a memory control circuit 7 saves data stored in the prescribed logic drive which **receives** an off-line instruction through a **transfer** circuit 9 to a prescribed area of a magnetic disk **device** 11. In such a way, an error of the prescribed logic drive can be **diagnosed** with high analyzing capacity by writing various **diagnosis data** in addition to the conventional **diagnosis program** .

20/5/36 (Item 36 from file: 347)
DIALOG(R)File 347:JAPIO

00953262 **Image available**
DIAGNOSING SYSTEM OF EXTERNAL STORAGE CONTROLLER

PUB. NO.: 57-103562 [JP 57103562 A]
PUBLISHED: June 28, 1982 (19820628)
INVENTOR(s): NAKAJIMA TOSHIKI
APPLICANT(s): FUJITSU LTD [000522] (A Japanese Company or Corporation), JP (Japan)
APPL. NO.: 55-179848 [JP 80179848]
FILED: December 19, 1980 (19801219)
INTL CLASS: [3] G06F-013/00; G06F-011/22; G11B-005/09
JAPIO CLASS: 45.2 (**INFORMATION** PROCESSING -- Memory Units); 42.5 (**ELECTRONICS** -- Equipment); 45.1 (**INFORMATION** PROCESSING -- Arithmetic Sequence Units
JOURNAL: Section: P, Section No. 146, Vol. 06, No. 195, Pg. 10, October 05, 1982 (19821005)

ABSTRACT

PURPOSE: To realize the diagnosis of a redundant bit producing circuit with use of the **software** , etc., by **transferring** the redundant bit of a read **data** given from an external storage device to a transfer **device** with a **diagnosis** read command provided to an external storage controller and then examining the contents of the redundant bit.

CONSTITUTION: When a diagnosis read command is executed, an AND gate AND3 is opened at both a **data** part **DATA** and a part CRC. Thus the read **data** RD is transferred to a transfer device via a series-parallel converting circuit 2 in the form of the transfer **information** TTD. Accordingly the correct and incorrect CRC **data** are written with a diagnosis write command and then read with a read command. In the case of the correct CRC **data** , no error is reported; and an error is reported with an incorrect CRC **data** respectively. This fact is confirmed to perform the diagnosis for a CRC code inspecting circuit 4.

20/5/37 (Item 37 from file: 347)
DIALOG(R)File 347:JAPIO

00800853 **Image available**

SELF-DIAGNOSTIC SYSTEM OF **ELECTRONIC** APPARATUS

PUB. NO.: 56-121153 [JP 56121153 A]
PUBLISHED: September 22, 1981 (19810922)
INVENTOR(s): AMAMIYA HISATOSHI
MASUYAMA KUNIO
APPLICANT(s): TAMURA ELECTRIC WORKS LTD [350937] (A Japanese Company or Corporation), JP (Japan)
APPL. NO.: 55-022804 [JP 8022804]
FILED: February 27, 1980 (19800227)
INTL CLASS: [3] G06F-011/22
JAPIO CLASS: 45.1 (**INFORMATION** PROCESSING -- Arithmetic Sequence Units); 44.3 (COMMUNICATION -- Telegraphy
JOURNAL: Section: P, Section No. 94, Vol. 05, No. 201, Pg. 73, December 19, 1981 (19811219)

ABSTRACT

PURPOSE: To make a diagnosis very easily and also swiftly, by transmitting and storing a diagnostic program stored in the diagnostic equipment, in the **electronic** apparatus once, and making the **electronic** apparatus side execute the self-diagnosis in accordance with said program.

CONSTITUTION: A **diagnostic equipment** DE is connected to the **data** transmission terminal equipment DTE. The equipment DE **transmits** a diagnostic **program** which has been stored in the ROM(sub 2), as a **data** to the equipment DTE side through the telephone circuit L, etc. in accordance with a transmission program of the ROM(sub 1). The equipment DTE side receives the **data** which has been transmitted, and stores it in the RAM. And, when the transmission has been finished, the CPUO starts the diagnosis of apparatus in accordance with a diagnostic program which has been stored in the RAM, by the instruction in the ROMO. When the diagnosis has been finished, its diagnostic result, diagnostic condition, etc. are printed by the printer PRTO or are displayed by the display DP. In this way, the diagnosis can be executed very easily and also swiftly without storing an unnecessary program in advance.

20/5/38 (Item 38 from file: 347)

00740668 **Image available**
PICTURE INFORMATION PROCESSOR

PUB. NO.: 56-060968 [JP 56060968 A]
PUBLISHED: May 26, 1981 (19810526)
INVENTOR(s): SUGAWARA MICHITAKA
APPLICANT(s): TOSHIBA CORP [000307] (A Japanese Company or Corporation), JP (Japan)
APPL. NO.: 54-136238 [JP 79136238]
FILED: October 22, 1979 (19791022)
INTL CLASS: [3] **G06F-015/20** ; A61B-006/00
JAPIO CLASS: 45.4 (INFORMATION PROCESSING -- Computer **Applications**); 28.2 (SANITATION -- Medical); 42.5 (**ELECTRONICS** -- **Equipment**)
JAPIO KEYWORD: R115 (**X - RAY APPLICATIONS**); R131 (**INFORMATION** PROCESSING -- Microcomputers & Microprocessers
JOURNAL: Section: P, Section No. 74, Vol. 05, No. 122, Pg. 11, August 07, 1981 (19810807)

ABSTRACT

PURPOSE: To perform the picture information processing for getting a picture in the picture screen in a different shape with simple constitution through hardware, by sequentially reading and processing picture-element-number data, corresponding to a picture after processing, in a memory.

CONSTITUTION: Memory controller 343 reads data, corresponding to the 1st line of a picture after processing, out of memory 41 and writes **preset** background gradation data in the starting part of memory 42 as much as the number of picture elements that corresponds to picture-element-number data corresponding to the background part. From computer 2 to memory 42, original picture-element data are **transferred** as much as the number of picture elements that corresponds to the picture-element- number data corresponding to the effective screen part and then written following the previously written part. Further, the data is written after the previously written part in memory 42 as much as the number of picture elements that corresponds to the picture-element-number data of the background part. As for the 2nd line, the same operation with the 1st line is repeated and then the same operation is repeated as many times as lines for one screen. Thus, rectangular picture information containing circular picture information can be formed and held in memory 42.

20/5/39 (Item 39 from file: 347)

00552358 **Image available**

COMPUTER TOMOGRAPHY **DEVICE**

PUB. NO.: 55-039958 [JP 55039958 A]
PUBLISHED: March 21, 1980 (19800321)
INVENTOR(s): NOMURA SEIJI
APPLICANT(s): TOSHIBA CORP [000307] (A Japanese Company or Corporation), JP (Japan)
APPL. NO.: 53-112523 [JP 78112523]
FILED: September 13, 1978 (19780913)
INTL CLASS: [3] **G06F-003/153** ; A61B-006/02; G01N-023/02
JAPIO CLASS: 28.2 (SANITATION -- Medical); 42.5 (**ELECTRONICS** -- **Equipment**); 45.4 (INFORMATION PROCESSING -- Computer **Applications**); 46.2 (INSTRUMENTATION -- Testing
JAPIO KEYWORD: R115 (X-RAY **APPLICATIONS**)
JOURNAL: Section: P, Section No. 13, Vol. 04, No. 74, Pg. 48, May 30, 1980 (19800530)

ABSTRACT

PURPOSE: To carry out the window process for a short time and reduce the memory capacity by and compute the number of the computer tomography and the distribution number boundary value of a predetermined gradataion entering the range of the window width in accordance with the information of the window information **setting** table.

CONSTITUTION: X ray beam is radiated to the tomographic surface of the member to be detected from various directions and the **transmission** beam is detected by the **X ray** detector. The detected **data** is collected and the collection factor of the various positions of the tomoraphic surface is computed and the computer **tomography** number CT is determined. At that time, the window **information setting** operation table is provided. In accordance with the window information of the operating table 1, CT number

entering the width of the window and CT number boundary value obtained by dividing CT number of this range into step number of a predetermined gradation are computed. This boundary value is stored in the register 301 of the image display **device** 300 in order from larger to smaller, and the data is compared with the CT number as a reference value and the compared result is displayed on CRT 4.

20/5/40 (Item 1 from file: 350)
DIALOG(R)File 350:Derwent WPIX

014911524 **Image available**
WPI Acc No: 2002-732230/200279
XRPX Acc No: N02-577379
Automatic product support method for web **-based customer support system, involves** downloading software **agent to** diagnose **malfunction of** devices
Patent Assignee: INT BUSINESS MACHINES CORP (IBMC)
Inventor: CHEFALAS T E; MOHINDRA A
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
US 20020138786	A1	20020926	US 2001814287	A	20010321	200279	B

Priority Applications (No Type Date): US 2001814287 A 20010321
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 20020138786	A1		16	G06F-011/26	

Abstract (Basic): US 20020138786 A1
NOVELTY - A software agent to diagnose the malfunctions of products e.g. printer or **scanner** , is downloaded to a computer and the diagnosed result is transmitted to a supporting **web server** (214). The hardware or software solutions for correcting the supported malfunctions, are communicated to the computer and the malfunctions are corrected.
DETAILED DESCRIPTION - An INDEPENDENT CLAIM is included for automatic products support system.
USE - For **web** -based customer support system.
ADVANTAGE - Eliminates the need for a customer to contact a customer support help desk provided by a manufacturer, by downloading the diagnosis software.
DESCRIPTION OF DRAWING(S) - The figure shows the block diagram of the automatic product support system.
Web server (214)
pp; 16 DwgNo 2/8
Title Terms: AUTOMATIC; PRODUCT; SUPPORT; METHOD; **WEB** ; BASED; CUSTOMER; SUPPORT; SYSTEM; SOFTWARE; AGENT; DIAGNOSE; MALFUNCTION; DEVICE
Derwent Class: T01; T04
International Patent Class (Main): G06F-011/26
File Segment: EPI

20/5/41 (Item 2 from file: 350)
DIALOG(R)File 350:Derwent WPIX

014825338 **Image available**
WPI Acc No: 2002-646044/200270

XRPX Acc No: N02-510822

Medical image **reading e.g. for X-ray, CT** images **, sends individual diagnoses of received** images **made by various clients, to be examined by** server

Patent Assignee: FUJI PHOTO FILM CO LTD (FUJF)
Inventor: KAZUHIRO H; KUNIMASA S; HISHINUMA K; SHIMIZU K

Number of Countries: 028 Number of Patents: 006
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
EP 1239397	A2	20020911	EP 20025135	A	20020307	200270	B
US 20020128873	A1	20020912	US 200292253	A	20020307	200270	
JP 2002269534	A	20020920	JP 200164553	A	20010308	200277	
JP 2002269235	A	20020920	JP 200164554	A	20010308	200277	
JP 2002269240	A	20020920	JP 200164555	A	20010308	200277	
JP 2002269241	A	20020920	JP 200164556	A	20010308	200277	

Priority Applications (No Type Date): JP 200164556 A 20010308; JP 200164553 A 20010308; JP 200164554 A 20010308; JP 200164555 A 20010308
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
EP 1239397	A2	E	37	G06F-019/00	
	Designated States (Regional): AL AT BE CH CY DE DK ES FI FR GB GR IE IT LI LT LU LV MC MK NL PT RO SE SI TR				
US 20020128873	A1			G06F-017/60	
JP 2002269534	A		10	G06T-001/00	
JP 2002269235	A		11	G06F-017/60	
JP 2002269240	A		11	G06F-017/60	
JP 2002269241	A		11	G06F-017/60	

Abstract (Basic): EP 1239397 A2

NOVELTY - The diagnostic clients receive the **image data** to be examined from a **server** , over a **network** . The diagnostic clients send their individual diagnoses of the received **images** to be examined, to the **server** . The **server** causes a storage unit to store the result of examination obtained on the basis of individual diagnoses.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are included for the following:

(1) Diagnostic client;
(2) Management client;
(3) **Server** for medical **image** reading system;
(4) Program for processing and transmitting medical **image** by **server** for medical **image** reading system;
(5) Medical **image** reading method;
(6) Centralized medical **image** storing system;
(7) Client for centralized medical **image** storing system;
(8) **Server** for centralized medical **image** storing system;
(9) Program for processing medical **image data** by **server** for centralized medical **image** storing system;
(10) Centralized medical **image** storing method;
(11) Medical **information** storing and accounting system;
(12) Client for medical **information** storing and accounting system;
(13) **Server** for medical **information** storing and accounting system;
(14) Program for processing medical **image** by **server** for medical **information** storing and accounting system;
(15) Medical **information** storing and accounting method;
(16) Medical **information** output system;
(17) Client for medical **information** output system;
(18) **Server** for medical **information** output system;

(19) Program for processing and transmitting medical **image data** by **server** for medical **information** output system;

(20) **Program** for **transmitting** patient chart by **server** for **medical information** output **system** ; and

(21) Medical **information** output method.

USE - Medical **image** reading system e.g. for X-ray **images** , computerized axial tomogram (CT), magnetic resonance **image** (MRI) using **network** such as local area **network** .

ADVANTAGE - Utilizes medical **image network** , so that the memory resources can be efficiently utilized and the supervisor can efficiently make final determination. Space for storing medical **images** is saved without need for purchasing expensive equipment. Manpower required to store and manage the medical **images** is saved, and retrieval of **images** is done at high speed. Diagnosis is efficiently made without necessity of manually selecting medical **image data** and **electronic** patient chart related with each other.

DESCRIPTION OF DRAWING(S) - The figure shows a schematic view of the medical **image** reading system.

pp; 37 DwgNo 1/9

Title Terms: MEDICAL; **IMAGE** ; READ; RAY; CT; **IMAGE** ; SEND; INDIVIDUAL; DIAGNOSE; RECEIVE; **IMAGE** ; MADE; VARIOUS; CLIENT; SERVE

Derwent Class: S05; T01

International Patent Class (Main): G06F-017/60; G06F-019/00; G06T-001/00

International Patent Class (Additional): A61B-005/00; A61B-010/00

File Segment: EPI

20/5/42 (Item 3 from file: 350)

DIALOG(R)File 350:Derwent WPIX

014818980 **Image available**

WPI Acc No: 2002-639686/200269

XRPX Acc No: N02-505590

Vehicle fault diagnosis device receives diagnosis **guide** program **from external** server **based on user request, which is executed to display vehicle** image **and accordingly inspection or testing of vehicle is performed**

Patent Assignee: MAZDA KK (MAZD)

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
JP 2002228554	A	20020814	JP 200124544	A	20010131	200269	B

Priority Applications (No Type Date): JP 200124544 A 20010131

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
JP 2002228554	A		20	G01M-017/007	

Abstract (Basic): JP 2002228554 A

NOVELTY - The **device** has a **diagnostic** guide **program receiver** that **receives** a diagnostic guide program from a **server** (6) based on user requests, for guiding the user to perform the vehicle testing operation. The received diagnostic guide program is stored temporarily in a memory, which is executed to display the vehicle **image** and accordingly the testing or inspection of vehicle is performed.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are included for the following:

(1) Vehicle fault diagnosis method;

(2) Vehicle fault diagnosis program.

USE - For diagnosing fault in vehicles.
ADVANTAGE - The testing of vehicles during failure is done simply without going to servicing agent.
DESCRIPTION OF DRAWING(S) - The figure shows a schematic diagram of the vehicle fault diagnosis system. (Drawing includes non-English language text).
Server (6)
pp; 20 DwgNo 1/17
Title Terms: VEHICLE; FAULT; DIAGNOSE; DEVICE; RECEIVE; DIAGNOSE; GUIDE; PROGRAM; EXTERNAL; SERVE; BASED; USER; REQUEST; EXECUTE; DISPLAY; VEHICLE ; **IMAGE** ; ACCORD; INSPECT; TEST; VEHICLE; PERFORMANCE
Derwent Class: Q17; Q51; Q52; T01; T06; X22
International Patent Class (Main): G01M-017/007
International Patent Class (Additional): B60S-005/00; F01M-011/10; F02D-045/00; G05B-023/02; G06F-017/60
File Segment: EPI; EngPI

20/5/43 (Item 4 from file: 350)
DIALOG(R)File 350:Derwent WPIX

014812174 **Image available**
WPI Acc No: 2002-632880/200268
XRPX Acc No: N02-500736
Vehicle diagnosis system **has** data **converter which converts** data **for communication between** electronic **controller and computer, based on communication** protocol received **from computer depending on target vehicle**
Patent Assignee: MORITA H (MORI-I)
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
JP 2002228551	A	20020814	JP 200122783	A	20010131	200268	B

Priority Applications (No Type Date): JP 200122783 A 20010131
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
JP 2002228551	A		10	G01M-017/007	

Abstract (Basic): JP 2002228551 A
NOVELTY - An **electronic** control unit (ECU) (501) and a computer (3) are connected through a **data** converter (2). The computer stores a protocol database having communication protocols of various **electronic** controllers. A specific communication protocol is chosen, based on a target vehicle (500) and is transmitted to converter that converts the communication **data** between the computer and the controller based on the transmitted communication protocol.
USE - For diagnosing failure of vehicle such as car.
ADVANTAGE - Carries out **data** conversion easily even when the communication protocol of the **electronic** controller differs.
DESCRIPTION OF DRAWING(S) - The figure shows the outline block diagram of the vehicle diagnosis system. (Drawing includes non-English language text).
Data converter (2)
Computer (3)
Target vehicle (500)
Electronic control unit (501)
pp; 10 DwgNo 1/6
Title Terms: VEHICLE; DIAGNOSE; SYSTEM; **DATA** ; CONVERTER; CONVERT; **DATA** ;

COMMUNICATE; **ELECTRONIC** ; CONTROL; COMPUTER; BASED; COMMUNICATE; PROTOCOL; RECEIVE; COMPUTER; DEPEND; TARGET; VEHICLE
Derwent Class: Q17; S02; W01
International Patent Class (Main): G01M-017/007
International Patent Class (Additional): B60R-016/02; B60S-005/00; H04L-012/40; H04L-029/06
File Segment: EPI; EngPI

20/5/44 (Item 5 from file: 350)
DIALOG(R)File 350:Derwent WPIX

014797108 **Image available**
WPI Acc No: 2002-617814/200266
XRPX Acc No: N02-488998
Computer system **for** medical **applications, provides recommended ambulatory monitoring system to customer based on answers provided by customer to questions** received **from** application server
Patent Assignee: MAJKOWSKI V E (MAJK-I)
Inventor: MAJKOWSKI V E
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 20020082851	A1	20020627	US 2000747540	A	20001222	200266 B

Priority Applications (No Type Date): US 2000747540 A 20001222
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 20020082851	A1		14	G06F-017/60	

Abstract (Basic): US 20020082851 A1
NOVELTY - An application **server** directs a query page containing questions about the type of **data** recorder to be used with ambulatory monitoring (AM) system and answer choices for each question, to a customer. A **server** provides result page to the customer through a **network** about recommended AM system when the answer choices received from the customer is matched with predicted answer choices corresponding to the specific AM system.
DETAILED DESCRIPTION - An INDEPENDENT CLAIM is included for method of utilizing computer system.
USE - For providing purchase **information** to customer, who needs ambulatory monitoring system.
ADVANTAGE - The purchasing **information** about AM system is efficiently performed between the supplier and customer without need of sales representatives.
DESCRIPTION OF DRAWING(S) - The figure shows a visual representation of the AM system.
pp; 14 DwgNo 1/10
Title Terms: COMPUTER; SYSTEM; MEDICAL; APPLY; RECOMMENDED; AMBULATORY; MONITOR; SYSTEM; CUSTOMER; BASED; ANSWER; CUSTOMER; QUESTION; RECEIVE; APPLY; SERVE
Derwent Class: S05; T01
International Patent Class (Main): G06F-017/60
File Segment: EPI

20/5/45 (Item 6 from file: 350)
DIALOG(R)File 350:Derwent WPIX

014707959 **Image available**
WPI Acc No: 2002-528663/200256
XRAM Acc No: C02-149640
XRPX Acc No: N02-418626
Programming system for implantable medical device e.g. cardiac stimulator, transmits implanted medical device identification information to remote server for operating medical device
Patent Assignee: ST JUDE MEDICAL AB (SJUD-N)
Inventor: SAMUELSSON E
Number of Countries: 020 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 200251500	A1	20020704	WO 2001SE2822	A	20011218	200256 B

Priority Applications (No Type Date): SE 20004843 A 20001222
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
WO 200251500	A1	E	22	A61N-001/372	

Designated States (National): US
Designated States (Regional): AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

Abstract (Basic): WO 200251500 A1
NOVELTY - A machine readable code module (221) of a **programmer** (20), **transmits** identification **information** associated with an implanted **medical device** (10) and programmer identifying **information** to a remote **server** (30) through a **network** (40). The **server** operates the medical device based on the received **information**.
DETAILED DESCRIPTION - INDEPENDENT CLAIMS are included for the following:
(1) a remote **server** ; and
(2) a programming system management method.
USE - For implantable medical device such as cardiac stimulators, drug pump, neurostimulator etc.
ADVANTAGE - Since the medical device identification **information** is transmitted, the need for the operator to utilize the required software for operating the programmer is prevented.
DESCRIPTION OF DRAWING(S) - The figure shows the system for programming implantable medical device.
Implanted medical device (10)
Programmer (20)
Remote **server** (30)
Network (40)
Machine readable code module (221)
pp; 22 DwgNo 1/2
Title Terms: PROGRAM; SYSTEM; IMPLANT; MEDICAL; DEVICE; CARDIAC; STIMULATING; TRANSMIT; IMPLANT; MEDICAL; DEVICE; IDENTIFY; **INFORMATION** ; REMOTE; SERVE; OPERATE; MEDICAL; DEVICE
Derwent Class: B07; P34; S05; T01
International Patent Class (Main): A61N-001/372
International Patent Class (Additional): G06F-019/00
File Segment: CPI; EPI; EngPI

20/5/46 (Item 7 from file: 350)
DIALOG(R)File 350:Derwent WPIX

014595356 **Image available**
WPI Acc No: 2002-416060/200244
XRPX Acc No: N02-327362

Information communication system **for wireless telephones, has target** server **to format** protocol **request having request fixed length leader of** preset **maximum size**

Patent Assignee: WIND RIVER SYSTEMS INC (WIND-N); LEHMAN L L (LEHM-I)
Inventor: LEHMAN L L
Number of Countries: 094 Number of Patents: 003
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 200223344	A2	20020321	WO 2001US28800	A	20010917	200244 B
US 20020056047	A1	20020509	US 2000233036	A	20000915	200244
			US 2001953705	A	20010917	
AU 200192672	A	20020326	AU 200192672	A	20010917	200251

Priority Applications (No Type Date): US 2000233036 P 20000915; US 2001953705 A 20010917
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
WO 200223344	A2	E	45	G06F-011/36	

Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW
Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW MZ NL OA PT SD SE SL SZ TR TZ UG ZW

US 20020056047 A1 G06F-011/30 Provisional application US 2000233036

AU 200192672 A G06F-011/36 Based on patent WO 200223344

Abstract (Basic): WO 200223344 A2

NOVELTY - The target **server** (15) **receives** a request from **software** tool and format a **protocol** request including a request fixed length leader of **preset** maximum size. The target agent (17) stores **received protocol** request into a communication buffer of size equal to or greater than the maximum size of **protocol** request, and **sends** an instruction to a target processor (21) to perform a function corresponding to the request.

DETAILED DESCRIPTION - An INDEPENDENT CLAIM is also included for information communication method.

USE - For communicating **software** debug/ **diagnostic** /maintenance **information** for wireless telephones, personal digital assistants (PDAs), computer **networking** products, home appliances, office products, factory automation products, automative components, security **devices** .

ADVANTAGE - Small communication buffer of target agent is able to handle **protocol** request that are larger than the buffer because the specified length of the message is contained in the bytes of the fixed length leader portion of the message that fits into the communication buffer. The remaining bytes of the **protocol** request bypass the communication buffer of target agent. This allows the communication buffer of target agent to remain small regardless of the size of data that needs to be **transferred** . Provides fast data **transfer** , since communication handshaking between the communicating **devices** is kept to a single request/reply cycle. The **protocol** has no unnecessary over head in messaging, thus allowing efficient use of bandwidth between communicating **devices** .

DESCRIPTION OF DRAWING(S) - The figure shows an arrangement for communication between host **device** and target **device** .

Target **server** (15)
Target agent (17)
Target processor (21)
pp; 45 DwgNo 1/9
Title Terms: INFORMATION; COMMUNICATE; **SYSTEM** ; WIRELESS; TELEPHONE; TARGET; SERVE; FORMAT; **PROTOCOL** ; REQUEST; REQUEST; FIX; LENGTH; LEADER; **PRESET** ; MAXIMUM; SIZE
Derwent Class: T01; W01
International Patent Class (Main): **G06F-011/30** ; **G06F-011/36**
International Patent Class (Additional): **G06F-011/00**
File Segment: EPI

20/5/47 (Item 8 from file: 350)
DIALOG(R)File 350:Derwent WPIX

014591017 **Image available**
WPI Acc No: 2002-411721/200244
XRPX Acc No: N02-323846
Communication network system **for** medical application , **analyses** received **medical** data **with timing** information **and transmits to user terminal, along with diagnostic** data
Patent Assignee: TERUMO CORP (TERU)
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
JP 2002099618	A	20020405	JP 2000295466	A	20000925	200244	B

Priority Applications (No Type Date): JP 2000295466 A 20000925
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
JP 2002099618	A		4	G06F-017/60	

Abstract (Basic): JP 2002099618 A
NOVELTY - A **data** analysis terminal (2) analyses the received **data** such as measured sleep Appian syndrome patient's **data** with timing **information** . A user terminal (1) receives reserved diagnostic and analyzed **data** from **data** analysis terminal, through **network** .
DETAILED DESCRIPTION - An INDEPENDENT CLAIM is included or storage medium recorded with medical **data** transmission program.
USE - In medical application for diagnosis of biological **information** such as electrocardiogram.
ADVANTAGE - Performs analysis of **data** efficiently using timing **information** provided with medical **data** , through **network** . Hence labor cost is reduced.
DESCRIPTION OF DRAWING(S) - The figure shows the block diagram of the communication **network** system.
Medical site (1)
Data analysis site (2)
pp; 4 DwgNo 1/2
Title Terms: COMMUNICATE; **NETWORK** ; SYSTEM; MEDICAL; APPLY; ANALYSE; RECEIVE; MEDICAL; **DATA** ; TIME; **INFORMATION** ; TRANSMIT; USER; TERMINAL; DIAGNOSE; **DATA**
Derwent Class: P31; T01
International Patent Class (Main): G06F-017/60
International Patent Class (Additional): A61B-005/00
File Segment: EPI; EngPI

20/5/48 (Item 9 from file: 350)
DIALOG(R)File 350:Derwent WPIX

014538974 **Image available**
WPI Acc No: 2002-359677/200239
Online medical information **operation** system **and method**
Patent Assignee: GYROM.COM (GYRO-N)
Inventor: CHO B G
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
KR 2001109982	A	20011212	KR 200030837	A	20000605	200239	B

Priority Applications (No Type Date): KR 200030837 A 20000605
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
KR 2001109982	A		1	G06F-017/60	

Abstract (Basic): KR 2001109982 A
NOVELTY - An **online medical information** operation **system** and method are provided to manage continuously **medical information** and to construct a **medical** treatment **system** , by rapidly collecting **medical information** of an individual using a **network** and arranging them **systematically** .
DETAILED DESCRIPTION - A page storage unit(110) stores a **preset** initial page, **information** input page, self- **diagnostic** page and institution search page. A personal **medical information** storage unit(120) stores personal basic **information** and personal **medical information** of the user. A **medical** institution **information** storage unit(130) stores institution basic **information** of a **medical** institution. A remote **medical** treatment **server** (142) executes a remote medical treatment **application** in response to an input of a remote medical treatment signal. A **transmission protocol server** (170) **transmits** the corresponding page stored in the page storage unit or a generated personal **medical information** page according to an input mode selection signal, stores personal **medical information** or self- **diagnostic information transmitted** from the user or **medical** institution to the personal **medical information** storage unit, and outputs a remote **medical** treatment signal to the remote medical treatment **server** after the **transmission** of the corresponding page if the mode selection signal is a remote medical treatment mode.
pp; 1 DwgNo 1/10
Title Terms: MEDICAL; INFORMATION; OPERATE; **SYSTEM** ; METHOD
Derwent Class: T01
International Patent Class (Main): **G06F-017/60**
File Segment: EPI

20/5/49 (Item 10 from file: 350)
DIALOG(R)File 350:Derwent WPIX

014436288 **Image available**
WPI Acc No: 2002-256991/200230
XRPX Acc No: N02-198965
Method for controlling machine in which failure information **is transmitted through communication** network
Patent Assignee: DAIKIN KOGYO KK (DAIK); DAIKIN IND LTD (DAIK)

Inventor: IMADA N
Number of Countries: 023 Number of Patents: 002
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
WO 200197114	A1	20011220	WO 2001JP4930	A	20010611	200230	B
JP 2001357151	A	20011226	JP 2000178241	A	20000614	200230	

Priority Applications (No Type Date): JP 2000178241 A 20000614
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
WO 200197114	A1	J	22	G06F-017/60	
	Designated States (National): CN SG US				
	Designated States (Regional): AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR				
JP 2001357151	A		8	G06F-017/60	

Abstract (Basic): WO 200197114 A1
NOVELTY - A system for diagnosing the failure of a machine if the machine fails and performing an emergency operation. Upon a failure of a machine (31, 32, 33, ...), failure **information** (51) is transmitted through a communication **network** (9) to a control center (4). The control center (4) loads a failure diagnosis program (61) to a machine (3) that is the source of the failure **information** (51). The **machine** (3) performs **diagnosis** of the failure by initiating the failure diagnosis **program** (61) and **transmits** failed part **information** (53) to the control center (4). If emergency operation is possible, an emergency operation program (62) is loaded from the control center (4) to the machine (3), and the machine (3) performs emergency operation. The control center (4) delivers repair **information** (64) based on the results of failure diagnosis to a service person (8) and the service person (8) takes action (65) for repairing the machine (3) easily and quickly.
USE - Method for controlling machine in which failure **information** is transmitted through communication **network**
DESCRIPTION OF DRAWING(S) - Machine (31,32,33,...)
Failure **information** (51)
Communication **network** (9)
Control center (4)
Failure diagnosis program (61)
Failed part **information** (53)
Emergency operation program (62)
Repair **information** (64)
Service person (8)
Action (65)
pp; 22 DwgNo 1/3
Title Terms: METHOD; CONTROL; MACHINE; FAIL; **INFORMATION** ; TRANSMIT; THROUGH; COMMUNICATE; **NETWORK**
Derwent Class: Q74; T01; W05
International Patent Class (Main): G06F-017/60
International Patent Class (Additional): F24F-011/02; H04Q-009/00
File Segment: EPI; EngPI

20/5/50 (Item 11 from file: 350)
DIALOG(R)File 350:Derwent WPIX

014436139 **Image available**
WPI Acc No: 2002-256842/200230
XRPX Acc No: N02-198822

Medical data **entry and analysis system for providing** electronic **health-care which converts** information **received in first format into format suitable for recording in database**

Patent Assignee: BAYLOR COLLEGE MEDICINE (BAYU); ROSETTAMED INC (ROSE-N)
Inventor: BECKETT P; JOE J
Number of Countries: 093 Number of Patents: 002
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
WO 200195234	A2	20011213	WO 2001US18086	A	20010605	200230	B
AU 200175221	A	20011217	AU 200175221	A	20010605	200230	

Priority Applications (No Type Date): US 2000589428 A 20000607
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
WO 200195234	A2	E	46	G06F-019/00	

Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW
Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW MZ NL OA PT SD SE SL SZ TR TZ UG ZW

AU 200175221 A G06F-019/00 Based on patent WO 200195234

Abstract (Basic): WO 200195234 A2

NOVELTY - A clinic computer (10) acts as a **server** for the system and is coupled to a **medical device** workstation (12) and to a medical instrument (14), while a file is created by specific **software** and **sent** to the computer by the workstation. The computer is also connected through a gateway (16) to the **Internet** (18) to connect with personal computers (20) and the medical **information** is converted into a format suitable for recording in a database when requested by a user. The **data** can also be converted and placed in an **electronic** medical records system.

DETAILED DESCRIPTION - AN INDEPENDENT CLAIM is included for a method of medical **data** receipt and analysis.

USE - Entry and analysis of medical **data** in an **electronic** system.

ADVANTAGE - Facilitating decision support and outcome research.

DESCRIPTION OF DRAWING(S) - The drawing shows the system

Clinic computer (10)
Workstation (12) -
Medical instrument (14)
Gateway (16)
Personal computers (20)

pp; 46 DwgNo 1/6

Title Terms: MEDICAL; **DATA** ; ENTER; ANALYSE; SYSTEM; **ELECTRONIC** ; HEALTH; CARE; CONVERT; **INFORMATION** ; RECEIVE; FIRST; FORMAT; FORMAT; SUIT; RECORD; DATABASE
Derwent Class: S05; T01
International Patent Class (Main): G06F-019/00
File Segment: EPI

20/5/51 (Item 12 from file: 350)

014434555 **Image available**
WPI Acc No: 2002-255258/200230
XRPX Acc No: N02-197327

Diagnostic and management method e.g. for server system , **involves** downloading diagnostic software **from remote location and executing** downloaded software

Patent Assignee: WOODDRUFF R J (WOOD-I); INTEL CORP (ITLC)
Inventor: WOODDRUFF R J; WOODRUFF R J
Number of Countries: 001 Number of Patents: 002
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
US 20010054161	A1	20011220	US 98116310	A	19980715	200230	B
US 6438711	B2	20020820	US 98116310	A	19980715	200257	

Priority Applications (No Type Date): US 98116310 A 19980715
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 20010054161	A1		14	G06F-011/26	
US 6438711	B2			H02H-003/05	

Abstract (Basic): US 20010054161 A1
NOVELTY - A remote management console (120) retrieves basic input-output system (BIOS) **information** of the computer system (110) and downloads and executes a diagnostic software to the system.
DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for the following:
(a) Computer readable medium storing management program;
(b) Management apparatus;
(c) Computer system
USE - For field testing memory, CPU, video controller, serial/parallel ports, disk, modem chip sets and other components of computer systems (claimed) such as **server** system, desktop computer system, mainframe, laptop systems, etc., using AMIDiag and QAPlus software.
ADVANTAGE - Saves time and cost involved in resetting the computer system by adopting remote diagnosis.
DESCRIPTION OF DRAWING(S) - The figure shows a model of the computer system.
Computer system (110)
Remote management console (120)
pp; 14 DwgNo 1/7
Title Terms: DIAGNOSE; MANAGEMENT; METHOD; SERVE; SYSTEM; DIAGNOSE; SOFTWARE; REMOTE; LOCATE; EXECUTE; SOFTWARE
Derwent Class: T01
International Patent Class (Main): G06F-011/26; H02H-003/05
File Segment: EPI

20/5/52 (Item 13 from file: 350)
DIALOG(R)File 350:Derwent WPIX

014392826 **Image available**
WPI Acc No: 2002-213529/200227
XRPX Acc No: N02-163493
Vehicle-mounted apparatus management system e.g. for navigator, has web server **which executes diagnostic program to generate diagnostic** data **which are displayed on service side computer**
Patent Assignee: NIPPONDENSO CO LTD (NPDE)
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
JP 2002046554	A	20020212	JP 2000231646	A	20000731	200227	B

Priority Applications (No Type Date): JP 2000231646 A 20000731
Patent Details:
Patent No Kind Lan Pg Main IPC Filing Notes
JP 2002046554 A 4 B60R-016/02

Abstract (Basic): JP 2002046554 A
NOVELTY - The **system** transmits the **diagnostic** command output from the service side computer (12) to **web server** (22) in vehicle, through a public circuit (P). The **web server** executes a diagnostic **program** , based on **received** command to detect the abnormality in vehicle-mounted apparatus (20) and generates diagnostic **data** which are displayed on the service side computer.
USE - For managing vehicle-mounted apparatus such as navigator, bar code reader, telephone, various **electronic** control devices mounted in vehicles such as delivery truck.
ADVANTAGE - Effective management of vehicle-mounted apparatus is enabled, by performing remote operation of **web server** .
DESCRIPTION OF DRAWING(S) - The figure shows the block diagram of vehicle-mounted apparatus management system. (Drawing includes non-English language text).
Service side computer (12)
Vehicle-mounted apparatus (20)
Web server (22)
Public circuit (P)
pp; 4 DwgNo 1/3
Title Terms: VEHICLE; MOUNT; APPARATUS; MANAGEMENT; SYSTEM; NAVIGATION; **WEB** ; SERVE; EXECUTE; DIAGNOSE; PROGRAM; GENERATE; DIAGNOSE; **DATA** ; DISPLAY; SERVICE; SIDE; COMPUTER
Derwent Class: Q17; T01
International Patent Class (Main): B60R-016/02
International Patent Class (Additional): G06F-013/00
File Segment: EPI; EngPI

20/5/53 (Item 14 from file: 350)
DIALOG(R)File 350:Derwent WPIX

014333597 **Image available**
WPI Acc No: 2002-154300/200220
Related WPI Acc No: 2001-521770
XRPX Acc No: N02-117381
Application program **interface access management method in walled garden** program , **involves determining whether value in** received **message indicates that origination of message has right to execute called function**
Patent Assignee: AT HOME CORP (ATHO-N)
Inventor: BROWN R W; KELLER R; MEDIN M S; TEMKIN D
Number of Countries: 021 Number of Patents: 002
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
WO 200133340	A2	20010510	WO 2000US41426	A	20001023	200220	B
AU 200122996	A	20010514	AU 200122996	A	20001023	200220	

Priority Applications (No Type Date): US 99428235 A 19991026; US 99427778 A 19991026
Patent Details:
Patent No Kind Lan Pg Main IPC Filing Notes
WO 200133340 A2 E 44 G06F-009/00
Designated States (National): AU CA JP

Designated States (Regional): AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE
AU 200122996 A G06F-009/00 Based on patent WO 200133340

Abstract (Basic): WO 200133340 A2

NOVELTY - One module **receives** message containing code calling function in **application program** interface (API) and values indicating API function execution rights of message originator. Another module determines whether value indicates that message originator has right to execute called function. Another module **sends** response to originator whether code successfully called the function.

DETAILED DESCRIPTION - An INDEPENDENT CLAIM is also included for **application program** interface access management **system** .

USE - For managing access of **application program** interface that allow **program** to change television channel to which client is tuned, inquire about details of channel line up, access an **electronic program** guide stored by client, instantiate universal interface elements on television, retrieve information about user accounts, access **electronic** wallet functionality in client to conduct **electronic** commerce transactions, set remainders for display on television and print pages on printer coupled to client, controls sealing of broadcast video picture on television, accessing **setting** stored by clients including user preferences, bookmarks, parental controls and **diagnostics** in high speed **data networks** such as walled gardens.

ADVANTAGE - Masquerading or spoofing is prevented as only authenticated and authorized users are allowed to access **servers** within walled garden.

DESCRIPTION OF DRAWING(S) - The figure shows the block diagram of high level view of **network** architecture.

pp; 44 DwgNo 1/9

Title Terms: APPLY; **PROGRAM** ; INTERFACE; ACCESS; MANAGEMENT; METHOD; WALL; GARDEN; **PROGRAM** ; DETERMINE; VALUE; **RECEIVE** ; MESSAGE; INDICATE; MESSAGE; RIGHT; EXECUTE; CALL; FUNCTION
Derwent Class: T01; W01; W03
International Patent Class (Main): **G06F-009/00**
File Segment: EPI

20/5/54 (Item 15 from file: 350)
DIALOG(R)File 350:Derwent WPIX

014268020 **Image available**
WPI Acc No: 2002-088718/200212
Related WPI Acc No: 2001-580044
XRPX Acc No: N02-065322

Operational protocols **provision for medical** application **involves displaying indicia specifying** protocols **at** diagnostic system **to which** data **specifying respective** protocols **are** transmitted **through specified** network

Patent Assignee: GE MEDICAL SYSTEMS GLOBAL TECHNOLOGY CO (GENE)
Inventor: **KORITZINSKY I M H** ; REICH J A
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
US 6272469	B1	20010807	US 98199507	A	19981125	200212	B

Priority Applications (No Type Date): US 98199507 A 19981125
Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes
US 6272469 B1 32 G06F-017/60

Abstract (Basic): US 6272469 B1
NOVELTY - Several operational **protocols** are stored in distribution **system** , including two **protocols** containing **machine** executable instructions for controlling medical diagnostic **system** . A **network** links is established between distribution **system** and two **modality** diagnostic **system** .
DETAILED DESCRIPTION - An INDEPENDENT CLAIM is also included for method for distributing **programs** to several medical diagnostic **systems** .
USE - For providing operational **protocol** to **medical diagnostic** and **imaging systems** such as CT **system** , **X - ray** stems, magnetic resonance **systems** , positron emission tomography **system** , ultrasound **system** , nuclear medicine **system** , electrical diagnostic **system** , physiological monitoring **system** and also for centralized management station such as station linking, **scanners** in radiology department of **medical** institution.
ADVANTAGE - Provides clear listing of available **protocols** and access a series of **protocols** from a listing or library for **loading** and executing **protocol diagnostic system** .
DESCRIPTION OF DRAWING(S) - The figure shows block diagram of diagnostic **system** .
pp; 32 DwgNo 2/16
Title Terms: OPERATE; PROVISION; MEDICAL; APPLY; DISPLAY; INDICIA; SPECIFIED; DIAGNOSE; **SYSTEM** ; **DATA** ; SPECIFIED; RESPECTIVE; **TRANSMIT** ; THROUGH; SPECIFIED; **NETWORK**
Derwent Class: P31; S03; S05; T01; W01
International Patent Class (Main): **G06F-017/60**
International Patent Class (Additional): A61B-005/00; A61B-010/00; G06T-007/00
File Segment: EPI; EngPI

20/5/55 (Item 16 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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014262083 **Image available**
WPI Acc No: 2002-082781/200211
XRPX Acc No: N02-061729
Passive data **collection system from a fleet of medical instruments and implantable devices using a remote central** server **to collect** data **from the interrogation of the devices without human intervention**
Patent Assignee: LEE M T (LEEM-I); MEDTRONIC INC (MEDT)
Inventor: LEE M T; LEE M
Number of Countries: 022 Number of Patents: 002
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 200180948	A1	20011101	WO 2001US12862	A	20010420	200211 B
US 20010049544	A1	20011206	US 2000198974	P	20000421	200211
			US 2001838697	A	20010419	

Priority Applications (No Type Date): US 2001838697 A 20010419; US 2000198974 P 20000421
Patent Details:
Patent No Kind Lan Pg Main IPC Filing Notes
WO 200180948 A1 E 19 A61N-001/372
Designated States (National): CA JP

Designated States (Regional): AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR
US 20010049544 A1 A61N-001/08 Provisional application US 2000198974

Abstract (Basic): WO 200180948 A1
NOVELTY - A programmer (20) interrogates and exchanges **information** with implanted **medical devices** (10) in patients when they come within telemetry or wireless communication range. **Data** collected by the **programmer** is **transferred** to a central location (36) using a **network** and equivalent **data** transmission medium.
DETAILED DESCRIPTION - The implanted device includes a microprocessor for timing, sensing and pacing functions. The programmer may transmit commands to or receive **data** from the devices.
USE - Collection of **data** from medical instruments and implantable devices.
ADVANTAGE - Provides automatic **data** collection without human intervention.
DESCRIPTION OF DRAWING(S) - The drawing shows a simplified schematic diagram of communications between the remote **server** , a programmer and other programmers.
Implantable medical device (10)
Programmer (20)
Central location (36)
pp; 19 DwgNo 2/3
Title Terms: PASSIVE; **DATA** ; COLLECT; SYSTEM; FLEET; MEDICAL; INSTRUMENT; IMPLANT; DEVICE; REMOTE; CENTRAL; SERVE; COLLECT; **DATA** ; INTERROGATION; DEVICE; HUMAN; INTERVENING
Derwent Class: P31; P34; S05; W01; W02
International Patent Class (Main): A61N-001/08; A61N-001/372
International Patent Class (Additional): A61B-005/00
File Segment: EPI; EngPI

20/5/56 (Item 17 from file: 350)
DIALOG(R)File 350:Derwent WPIX

014245289
WPI Acc No: 2002-065989/200209
Related WPI Acc No: 2001-483198; 2001-581526; 2002-065985; 2002-328533; 2002-381638; 2002-434768; 2002-546757; 2002-556742; 2002-582346; 2002-589188
XRAM Acc No: C02-019550
XRPX Acc No: N02-049042
Ambulatory medical system includes ambulatory medical device having Ambulatory medical device electronic **control circuitry, and communication device having** electronic **control circuitry**
Patent Assignee: LEBEL R J (LEBE-I); MARSH D J (MARS-I); SHAHMIRIAN V (SHAH-I); STARKWEATHER T J (STAR-I); WEISS P T (WEIS-I)
Inventor: LEBEL R J; MARSH D J; SHAHMIRIAN V; STARKWEATHER T J; WEISS P T
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 20010041920	A1	20011115	US 2000177414	A	20000121	200209 B
			US 2001768201	A	20010122	

Priority Applications (No Type Date): US 2000177414 P 20000121; US 2001768201 A 20010122
Patent Details:
Patent No Kind Lan Pg Main IPC Filing Notes

US 20010041920 A1 32 A61N-001/08 Provisional application US 2000177414

Abstract (Basic): US 20010041920 A1

NOVELTY - An ambulatory medical system comprises an ambulatory medical device (MD) having an MD **electronic** control circuitry. The MD **electronic** control circuitry comprises an MD telemetry system(s) and an MD processor(s). A communication device (CD) comprises a CD **electronic** control circuitry that includes a CD telemetry system(s) and a CD processor(s).

DETAILED DESCRIPTION - An ambulatory medical system comprises an ambulatory MD having an MD **electronic** control circuitry. The MD **electronic** control circuitry comprises an MD telemetry system(s) and an MD processor(s) that controls operation of the MD. The MD is configured to provide a treatment to a body of a patient or to monitor a selected state of the body. A CD comprises a CD **electronic** control circuitry. The CD **electronic** control comprises a CD telemetry system(s) and a CD processor(s) that controls operation of the CD telemetry system and operation of the device. The CD telemetry system sends messages to or receives messages from the MD telemetry system. The MD further comprises an MD memory for holding an MD program that controls operation of the MD. The MD is capable of executing a first type of software that allows communication with the CD, and also allows medically significant operations to occur. The MD executes a second type of software that allows communication with a CD but does not allow medically significant operations to occur.

INDEPENDENT CLAIMS are also included for the following:

(a) an ambulatory **medical system** as described above, where the device, on being reset, boots itself into an operational mode to allow telemetry communication related to **downloading** an MD **program** ;

(b) an ambulatory **medical system** as described above, where the device is capable of **receiving** a **software** or **data image** that is transferred in several messages; and

(c) an ambulatory medical system as described above, where a validation code is downloaded from the CD telemetry system, is stored in the MD memory and is compared to a validation code periodically derived from an **image** forming the MD program to ascertain if integrity of the **image** is retained.

USE - As an ambulatory medical system.

ADVANTAGE - The system does not only accept updated values for variables that impact operation of the device, but can also accept modifications to its program. It maintains the predictability of the software operating on the implantable device, and maintains integrity of the communication operations even if the download involves corrupted software.

pp; 32 DwgNo 0/6

Title Terms: AMBULATORY; MEDICAL; SYSTEM; AMBULATORY; MEDICAL; DEVICE; MEDICAL; DEVICE; **ELECTRONIC** ; CONTROL; CIRCUIT; COMMUNICATE; DEVICE; **ELECTRONIC** ; CONTROL; CIRCUIT

Derwent Class: B07; P34; S05

International Patent Class (Main): A61N-001/08

File Segment: CPI; EPI; EngPI

20/5/57 (Item 18 from file: 350)

DIALOG(R)File 350:Derwent WPIX

014186999 **Image available**

WPI Acc No: 2002-007696/200201

XRPX Acc No: N02-006786

Medical information **retrieval** system **searches** medical information **in** information **management database, based on** preset **search conditions and** medical **staff** information **input from client terminal**

Patent Assignee: TERUMO CORP (TERU)
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
JP 2001290890	A	20011019	JP 2000102523	A	20000404	200201	B

Priority Applications (No Type Date): JP 2000102523 A 20000404
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
JP 2001290890	A		13	G06F-017/60	

Abstract (Basic): JP 2001290890 A

NOVELTY - A **medical information** management **server** searches the required **medical information** in an **information** management database, based on **preset** search conditions and **medical** staff **information** input from a client terminal, and **transmits** the searched information.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for the following:

(a) **Medical information** retrieval control method;

(b) Storage medium with **medical information** retrieval **program**

USE - For hospitals, to provide required **information** regarding a particular treatment by the **medical** specialist e.g. for providing diabetes-mellitus treatment **information** from an endocrinologist.

ADVANTAGE - The required **medical information** is efficiently searched and retrieved.

DESCRIPTION OF DRAWING(S) - The figure shows the functional diagram of **medical information** management database. (Drawing includes non-English language text).

pp; 13 DwgNo 7/9

Title Terms: MEDICAL; INFORMATION; RETRIEVAL; **SYSTEM** ; SEARCH; MEDICAL; INFORMATION; INFORMATION; MANAGEMENT; DATABASE; BASED; **PRESET** ; SEARCH; CONDITION; MEDICAL; STAFF; INFORMATION; INPUT; CLIENT; TERMINAL
Derwent Class: T01
International Patent Class (Main): **G06F-017/60**
International Patent Class (Additional): **G06F-017/30**
File Segment: EPI

20/5/58 (Item 19 from file: 350)
DIALOG(R)File 350:Derwent WPIX

014185195 **Image available**
WPI Acc No: 2002-005892/200201
XRPX Acc No: N02-004982

Document printing control system **for** medical applications , transmits **printing indication table containing file name corresponding to printing** image , **to clients**

Patent Assignee: MATSUSHITA DENKI SANGYO KK (MATU)
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
JP 2001282485	A	20011012	JP 200089170	A	20000328	200201	B

Priority Applications (No Type Date): JP 200089170 A 20000328

Patent Details:
Patent No Kind Lan Pg Main IPC Filing Notes
JP 2001282485 A 14 G06F-003/12

Abstract (Basic): JP 2001282485 A
NOVELTY - File name corresponding to the **image** for printing is specified and a printing indication table is generated by a **server** (10). Document **data** for printing is generated by each client (20,30,40) by reading prestored **image** **data** selectively based on the printing indication table received from the **server** .
USE - For printing document containing **information** regarding medical agent for patients in a hospital.
ADVANTAGE - Since printing identification table is transmitted from client to **server** , the quantity of **data** transmitted is suppressed, therefore high speed printing is enabled.
DESCRIPTION OF DRAWING(S) - The figure shows the entire components of document printing control system. (Drawing includes non-English language text).
Server (10)
Clients (20,30,40)
pp; 14 DwgNo 1/15
Title Terms: DOCUMENT; PRINT; CONTROL; SYSTEM; MEDICAL; APPLY; TRANSMIT; PRINT; INDICATE; TABLE; CONTAIN; FILE; NAME; CORRESPOND; PRINT; **IMAGE** ; CLIENT
Derwent Class: P75; T01; T04
International Patent Class (Main): G06F-003/12
International Patent Class (Additional): B41J-005/30; B41J-029/38; G06F-015/163
File Segment: EPI; EngPI

20/5/59 (Item 20 from file: 350)
DIALOG(R)File 350:Derwent WPIX

014178043 **Image available**
WPI Acc No: 2001-662271/200176
XRPX Acc No: N01-493357
Computer-implemented tries enumeration method for dictionary words, involves setting **pointer in skip node to point other node in selected state**
Patent Assignee: MICROSOFT CORP (MICT)
Inventor: BENNETT J R; HULLENDER G N; KARLOV D D
Number of Countries: 001 Number of Patents: 001
Patent Family:
Patent No Kind Date Applicat No Kind Date Week
US 6304878 B1 20011016 US 98199949 A 19981123 200176 B

Priority Applications (No Type Date): US 98199949 A 19981123
Patent Details:
Patent No Kind Lan Pg Main IPC Filing Notes
US 6304878 B1 16 G06F-017/00

Abstract (Basic): US 6304878 B1
NOVELTY - A state capable of being arranged into a trie, is selected from a computer storage unit. A node selected from the selected state is converted into a skip node, by moving **forward** in the selected state relative to its original position. A pointer is set in a skip node to point other node in the selected state.
DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for the

following:
(a) Computer readable medium storing data structure;
(b) Node state searching method
USE - For compressing lexical **data** such as general purpose dictionary words, **medical** dictionary words, etc., in computer **systems** such as handheld **devices** , multicast **systems** , microprocessor-based or **programmable** consumer **electronics** , **network** PCs, mini computers, main frame computers, etc., and also in distributed computing environments such as remote processing **devices** .

ADVANTAGE - As the nodes are arranged linearly and the search is performed linearly **forward** to the subsequent node, when comparison indicates the skip is not to the skip pointer, the need for space consuming skip-left pointers is eliminated. With only a slight increase in the size of data structure, significant increase in search speed is obtained.
DESCRIPTION OF DRAWING(S) - The figure shows a flow diagram representing the steps performed to enumerate the nodes in a state.
pp; 16 DwgNo 11/17
Title Terms: COMPUTER; IMPLEMENT; TRY; METHOD; DICTIONARY; WORD; SET; POINT ; SKIP; NODE; POINT; NODE; SELECT; STATE
Derwent Class: T01
International Patent Class (Main): **G06F-017/00**
International Patent Class (Additional): **G06F-017/21**
File Segment: EPI

20/5/60 (Item 21 from file: 350)
DIALOG(R)File 350:Derwent WPIX

014075212 **Image available**
WPI Acc No: 2001-559425/200163
XRPX Acc No: N01-415844
Transfer of medical data **between implanted medical devices and central monitoring stations over public** networks , **uses public** networks **to carry** data **and encrypts** data **for confidentiality**
Patent Assignee: MEDTRONIC INC (MEDT)
Inventor: NICHOLS T J
Number of Countries: 003 Number of Patents: 003
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
FR 2800481	A1	20010504	FR 200014068	A	20001102	200163	B
JP 2001217823	A	20010810	JP 2000335454	A	20001102	200163	
DE 10053894	A1	20010628	DE 1053894	A	20001031	200163	

Priority Applications (No Type Date): US 99431881 A 19991102
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
FR 2800481	A1		82	G06F-013/38	
JP 2001217823	A		20	H04L-009/08	
DE 10053894	A1			H04L-012/16	

Abstract (Basic): FR 2800481 A1
NOVELTY - The confidential medical **data** (221) is **transferred** between a **programming** device (222) and a remote **data** system (224). The programming device contains **information** relating to the patient from an implanted **medical device** (10). A source of keys (228) delivers an encryption key to the programming device and a decryption key to the remote **data** system.

USE - Communication with implanted medical devices.
ADVANTAGE - Secure **web** -based communication of medical **information** between an implanted device and monitoring equipment, avoiding need for patient to regularly attend hospital to allow collection of the **data** and updating of programs.
DESCRIPTION OF DRAWING(S) - The drawing shows a block diagram of the security process.
Medical **data** (221)
Coding device (222)
Implanted medical device (10)
Key generator (228)
pp; 82 DwgNo 6/10
Title Terms: TRANSFER; MEDICAL; **DATA** ; IMPLANT; MEDICAL; DEVICE; CENTRAL; MONITOR; STATION; PUBLIC; **NETWORK** ; PUBLIC; **NETWORK** ; CARRY; **DATA** ; **DATA** ; CONFIDE
Derwent Class: P31; P34; P85; T01; W01
International Patent Class (Main): G06F-013/38; H04L-009/08; H04L-012/16
International Patent Class (Additional): A61B-005/00; A61B-005/04; A61N-001/37; G06F-017/60; G06F-019/00; G06F-159-00; G06N-005/00; G09C-001/00; H04L-009/00; H04L-009/18
File Segment: EPI; EngPI

20/5/61 (Item 22 from file: 350)
DIALOG(R)File 350:Derwent WPIX

014062548 **Image available**
WPI Acc No: 2001-546761/200161
XRPX Acc No: N01-406797
Medical image information system **using multilayer** protocols **in hospitals, displays** image data **which are obtained based on user requirement and user parameters**
Patent Assignee: TERALICON INC (TERA-N)
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
JP 2001216506	A	20010810	JP 200059572	A	20000131	200161	B

Priority Applications (No Type Date): JP 200059572 A 20000131
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
JP 2001216506	A		14	G06T-001/00	

Abstract (Basic): JP 2001216506 A
NOVELTY - A user profile **setting** panel (19) sets up the user parameters, and **medical image data** is obtained. The **medical image data** is processed based on user's requirement and the **medical image data** is **transmitted** to the display unit (13) through the **network** (16).
USE - In hospitals.
ADVANTAGE - As the image data of a particular user are processed and displayed, the load of the doctor is reduced and also the image data are **received** efficiently.
DESCRIPTION OF DRAWING(S) - The figure shows the schematic diagram of **medical image information system** . (Drawing includes non-English language text).
Display unit (13)
Network (16)
User profile **setting** panel (19)

pp; 14 DwgNo 1/15
Title Terms: MEDICAL; IMAGE; INFORMATION; **SYSTEM** ; MULTILAYER; HOSPITAL; DISPLAY; IMAGE; DATA; OBTAIN; BASED; USER; REQUIRE; USER; PARAMETER
Derwent Class: T01
International Patent Class (Main): G06T-001/00
International Patent Class (Additional): **G06F-003/00** ; **G06F-013/00** ; **G06F-017/60**
File Segment: EPI

20/5/62 (Item 23 from file: 350)
DIALOG(R)File 350:Derwent WPIX

013941354 **Image available**
WPI Acc No: 2001-425568/200145
Related WPI Acc No: 2001-418334; 2001-425593; 2001-432816; 2001-432847; 2001-581297; 2001-625327; 2001-625352; 2001-625368; 2001-625374
XRAM Acc No: C01-128768
XRPX Acc No: N01-315748

Data **obtaining and distributing method for implanting medical devices, involves routing transmitted** data **to centralized computer system and peripheral computer system**

Patent Assignee: MEDTRONIC INC (MEDT)
Inventor: HODGES A C; LINBERG K R; MERRY R L
Number of Countries: 022 Number of Patents: 002
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 200147410	A2	20010705	WO 2000US34425	A	20001219	200145 B
EP 1241982	A2	20020925	EP 2000988143	A	20001219	200271
			WO 2000US34425	A	20001219	

Priority Applications (No Type Date): US 99173082 P 19991224
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
WO 200147410	A2	E	28	A61B-005/00	

Designated States (National): CA JP
Designated States (Regional): AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

EP 1241982	A2	E	A61B-005/00	Based on patent WO 200147410

Designated States (Regional): AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

Abstract (Basic): WO 200147410 A2

NOVELTY - The implantable **medical device** (IMD) installation and management **data** , are **transmitted** to a **programmer** (112) communicating with a control computer system, external to any patient through a **network** communication link. The transmitted IMD **data** are routed to the central computer system and peripheral computer system.

DETAILED DESCRIPTION - An INDEPENDENT CLAIM is also included for computerized **information network** system.

USE - The device is useful for implanting medical devices such as cardiac pacemaker and defibrillator.

ADVANTAGE - The IMD **data** is monitored regularly for ensuring the patient's care in hospital or clinic by providing a programmer with implantable medical devices to monitor the patient condition thereby avoiding life threatening situations of the patients. Human error is avoided and the overall system improved, thereby enhancing productivity. Enables an efficient system for **data** storage, collection and processing to effect changes in control algorithms of

IMD's and associated medical units to promote real time therapy and clinical care.

DESCRIPTION OF DRAWING(S) - The figure shows the general architecture diagram of **network** system.

Programmer (112)

pp; 28 DwgNo 1/3

Title Terms: **DATA** ; OBTAIN; DISTRIBUTE; METHOD; IMPLANT; MEDICAL; DEVICE; ROUTE; TRANSMIT; **DATA** ; CENTRE; COMPUTER; SYSTEM; PERIPHERAL; COMPUTER; SYSTEM

Derwent Class: B07; P31

International Patent Class (Main): A61B-005/00

File Segment: CPI; EngPI

20/5/63 (Item 24 from file: 350)

DIALOG(R)File 350:Derwent WPIX

013555911 **Image available**

WPI Acc No: 2001-040118/200105

XRPX Acc No: N01-029858

Ultrasound imaging system **in** medical application , receives **sound signals from internal probe and produce three-dimensional** image **by correlating position of internal probe relative to external probe**

Patent Assignee: SHARP W A (SHAR-I)

Inventor: SHARP W A

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 6120453	A	20000919	US 9765760	A	19971117	200105 B
			US 98191433	A	19981112	

Priority Applications (No Type Date): US 9765760 P 19971117; US 98191433 A 19981112

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 6120453	A		16	A61B-008/12	Provisional application US 9765760

Abstract (Basic): US 6120453 A

NOVELTY - A control unit (6) is arranged in **electronic** communication with an internal transesophageal probe (10) and an external transabdominal probe (44). Control unit combines the two-dimensional **scan data** generated by transducers of respective of probe into three-dimensional ultrasound **scan data** based on positional **data** correlating the position of internal probe (10) relative to that of external probe (44).

DETAILED DESCRIPTION - The internal probe has several ultrasound transducers (12) at convenient positions of a catheter (14) near the tip (16). The probe has two beacon emitters (13) to emit sound signals of the heart which is to be **imaged** . The external probe (44) has a transducer with an ultrasound beacon emitter to receive signals from the probe and produces two-dimensional **scan data** of the heart. From these successive positions of transducers (12), positions of alternate portions of the heart relative to the position of the external probe is determined. An ultrasound display (8) is operably connected to the control unit. An INDEPENDENT CLAIM is also included for method of producing three-dimensional **images** of patient.

USE - For obtaining three or four dimensional **images** of the heart and other internal human structures such as fetus, uterus and ovaries. Also for non-biological application.

ADVANTAGE - Imparts greater precision and clarity to the **images** by allowing collection of great quantity of useful **data** during a particular period of time. The system is less harmful and less discomforting to the patient and reduces or eliminates the need to sedate the patient. By providing monitoring in two planes, better extrapolation of volume pumped in each heart-beat can be obtained. Requires less precise probe positioning and allows smaller less intrusive probes to be used thereby simplifies operation.

DESCRIPTION OF DRAWING(S) - The figure shows the schematic elevation of transesophageal transducer probe and associated ultrasound **imaging** device.

Control unit (6)
Ultrasound display (8)
Transesophageal probe (10)
Ultrasound transducer (12)
Beacon emitter (13)
Catheter (14)
Tip (16)
External transabdominal probe (44)
pp; 16 DwgNo 1/11

Title Terms: ULTRASONIC; **IMAGE** ; SYSTEM; MEDICAL; APPLY; RECEIVE; SOUND; SIGNAL; INTERNAL; PROBE; PRODUCE; THREE; DIMENSION; **IMAGE** ; CORRELATE; POSITION; INTERNAL; PROBE; RELATIVE; EXTERNAL; PROBE
Derwent Class: P31; S05; T01
International Patent Class (Main): A61B-008/12
File Segment: EPI; EngPI

20/5/64 (Item 25 from file: 350)
DIALOG(R)File 350:Derwent WPIX

013544733 **Image available**
WPI Acc No: 2001-028939/200104
XRPX Acc No: N01-022950

Electronic **chart** apparatus **for** medical application , **has dummy clinical recording form in which** medical **examination** data **along with patients name is displayed and is erased when accurate input is set in input column**

Patent Assignee: SANYO ELECTRIC CO LTD (SAOL)
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
JP 2000298692	A	20001024	JP 99104754	A	19990413	200104	B

Priority Applications (No Type Date): JP 99104754 A 19990413
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
JP 2000298692	A		7	G06F-019/00	

Abstract (Basic): JP 2000298692 A

NOVELTY - Input column and dummy recording form are simultaneously displayed on input screen. **Medical** examination **information** about a patient is displayed on input column and is simultaneously displayed on dummy clinical recording form. If information set in input column is accurate, the examined **information** is **transferred** to **medical** examination definition master file (31) and the input column is erased.

USE - For medical **applications** .

ADVANTAGE - Since examined information is displayed simultaneously on dummy recording form, occurrence of any error while **setting** input

column is easily erased in dummy recording medium itself.
DESCRIPTION OF DRAWING(S) - The figure shows the block diagram of **electronic** chart **apparatus** .
Medical examination definition master file (31)
pp; 7 DwgNo 1/8
Title Terms: **ELECTRONIC** ; CHART; **APPARATUS** ; MEDICAL; APPLY; DUMMY; CLINICAL; RECORD; FORM; MEDICAL; EXAMINATION; DATA; PATIENT; NAME; DISPLAY; ERASE; ACCURACY; INPUT; SET; INPUT; COLUMN
Derwent Class: P31; S05; T01
International Patent Class (Main): **G06F-019/00**
International Patent Class (Additional): A61B-005/00
File Segment: EPI; EngPI

20/5/65 (Item 26 from file: 350)
DIALOG(R)File 350:Derwent WPIX

013514567
WPI Acc No: 2000-686513/200067
XRPX Acc No: N00-507564
Anomalies diagnosing system **in automatic** data **collection** device **(ADC), has analyzer which analyzes response and identifies anomaly associated with reportedly anomalous element**
Patent Assignee: INTERMEC IP CORP (INTE-N)
Inventor: HUNT J M; KATSANDRES J T; RAMBERG J R; SHOEMAN P D
Number of Countries: 019 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 200045265	A1	20000803	WO 2000US2441	A	20000131	200067 B

Priority Applications (No Type Date): US 99240108 A 19990129
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
WO 200045265	A1	E	67	G06F-011/273	

Designated States (National): JP
Designated States (Regional): AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE
Abstract (Basic): WO 200045265 A1
NOVELTY - A simple **network** management **protocol** master agent in ADC **device** platform **receives** diagnostic query from remote computing **system** (RCS) and **sends** to anomalous element. A diagnostic analyzer in RCS analyzes response and identifies anomaly associated with reportedly anomalous element.
DETAILED DESCRIPTION - The translator in ADC translates **diagnostic** query into appropriate format for retrieving performance **data** associated with reportedly anomalous element. The other translator in ADC translates retrieved performance data associated with reportedly element into appropriate communication format for **transmission** as the response to remove computing **system** . A diagnostic analysis **server** contains hypertext markup language (HTML), dynamic HTML, extensible markup language (XML) documents. INDEPENDENT CLAIMS are also included for the following:
(a) anomalies diagnosing method;
(b) **program** for anomalous diagnosing method
USE - For analyzing anomalies in automatic data collection **system** used in commercial/institutional and governmental **settings** .
ADVANTAGE - The service technicians remote computing **system** uses small diagnostic **programs** , applets contained in HTML, DHTML, XML documents.

DESCRIPTION OF DRAWING(S) - The figure shows the flowchart of anomalies analyzing method.

pp; 67 DwgNo 0/13

Title Terms: ANOMALY; DIAGNOSE; **SYSTEM** ; AUTOMATIC; DATA; COLLECT; **DEVICE** ; RESPOND; IDENTIFY; ANOMALY; ASSOCIATE; ANOMALY; ELEMENT

Derwent Class: T01

International Patent Class (Main): **G06F-011/273**

File Segment: EPI

20/5/66 (Item 27 from file: 350)

DIALOG(R)File 350:Derwent WPIX

013242309 **Image available**

WPI Acc No: 2000-414191/200036

XRPX Acc No: N00-309449

Monitoring activity of remote computer, including performance agent, from Simple Network **Management** Protocol **installed on a local computer**

Patent Assignee: BULL SA (SELA)

Inventor: BONNIN A

Number of Countries: 025 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
EP 1004964	A1	20000531	EP 99402940	A	19991126	200036	B
FR 2786581	A1	20000602	FR 9814936	A	19981127	200036	

Priority Applications (No Type Date): FR 9814936 A 19981127

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
EP 1004964	A1	F	16	G06F-011/34	
	Designated States (Regional): AL AT BE CH CY DE DK ES FI FR GB GR IE IT LI LT LU LV MC MK NL PT RO SE SI				
FR 2786581	A1			G06F-012/02	

Abstract (Basic): EP 1004964 A1

NOVELTY - The performance agent (2i) executes at least a diagnosis check when a step has been exceeded by calling up an internal diagnostic function (5i) of the SNMP performance agent (2i) managed by the SNMP(1) of the local computer (OL), and to **transmit** a **diagnostic** notification including **diagnostic data** .

DETAILED DESCRIPTION - The **devices** is designed to permit monitoring of remote computers (OD1, ... Odn) form an SNMP manager (1) installed in a local computer (OL) through a **network** (10). The **device** includes a performance agent (2) installed in each remote computer (Odi), designed to detect the passing of a consumption step or several resources of the remote computer (Odi) from a function of the step (8i), managed by the SNMP (1) of the local computer (OL). This function allows parameter **setting** of the performance agent by indicating a determined step for each monitored activity and **transmission** of any passing of the step level. An Independent Claim is included for a method for optimizing steps for consumption parameters.

USE - For **internet applications**

ADVANTAGE - Designed to optimize monitoring of remote computers using SNMP management.

DESCRIPTION OF DRAWING(S) - The drawing shows a schematic of a monitoring **system** from an SNMP manager

local computer (OL)

SNMP manager (1)

internet network (10)

remote computers (OD1, ...Odn)

SNMP performance agent (2)
diagnostic function (5i)
step function (8i)
pp; 16 DwgNo 1/5
Title Terms: MONITOR; ACTIVE; REMOTE; COMPUTER; PERFORMANCE; AGENT; SIMPLE; **NETWORK** ; MANAGEMENT; **PROTOCOL** ; INSTALLATION; LOCAL; COMPUTER
Derwent Class: T01; W01
International Patent Class (Main): **G06F-011/34** ; **G06F-012/02**
International Patent Class (Additional): H04L-012/24
File Segment: EPI

20/5/67 (Item 28 from file: 350)
DIALOG(R)File 350:Derwent WPIX

013240595 **Image available**
WPI Acc No: 2000-412469/200035
XRPX Acc No: N00-308288
Medical information transfer system **for use in medicine field, veterinary science, comprises e-mail** server **which** sends **the user interface along with e-mail package to one of remote user unit**
Patent Assignee: NEXSYS ELECTRONICS (NEXS-N); NEXSYS ELECTRONICS INC (NEXS-N)
Inventor: FOARD L; KILLCOMMONS P M
Number of Countries: 090 Number of Patents: 003
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
WO 200033231	A2	20000608	WO 99US28085	A	19991123	200035	B
AU 200021588	A	20000619	AU 200021588	A	19991123	200044	
US 6424996	B1	20020723	US 98199611	A	19981125	200254	

Priority Applications (No Type Date): US 98199611 A 19981125
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
WO 200033231	A2	E	47	G06F-019/00	

Designated States (National): AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CR CU CZ DE DK DM EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW
Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW NL OA PT SD SE SL SZ TZ UG ZW

AU 200021588	A	G06F-019/00	Based on patent WO 200033231
US 6424996	B1	G06F-017/60	

Abstract (Basic): WO 200033231 A2
NOVELTY - An assembly unit coupled to user interface, storing unit and **data** interface, gather selected portion of **medical data** to form e-mail package in response to instructions from remote user unit (50). A processor coupled to assembly unit, **data** interface, encodes and/or compress the **medical data** stored in storing unit. An e-mail **server sends** the user interface along with e-mail package to remote user unit (80).
DETAILED DESCRIPTION - A **server** (20) includes a **data** interface that acquires **medical data** in multimedia format, and stores it in a storing unit. The user interface allows **medical data** for viewing. The **medical data** comprises text, **image** , overlay, 3D volume, waveform, curve, video, and/or sound **data** . The processor which encrypts and compresses the **medical data** using progressive compression scheme, wavelet, a motion wavelet, MPEG or a motion JPEG

compression scheme. An INDEPENDENT CLAIM is also included for the following:

(a) **medical information transfer** method;

(b) **medical information transfer program**

USE - For use in veterinary science field, scientific research field. Also used for communicating **medical information** such as patient test result between two remote **medical** practitioners through **internet** , **Intranet** , Ethernet.

ADVANTAGE - Due to adjustable compression scheme, truncation of data can be avoided. Enables to **transfer** variety of **modalities** by e-mail by adjustable compression.

DESCRIPTION OF DRAWING(S) - The figure shows the **medical information transfer system** .

Server (20)

Remote user units (50,80)

pp; 47 DwgNo 1/4

Title Terms: MEDICAL; INFORMATION; **TRANSFER** ; **SYSTEM** ; MEDICINE; FIELD; VETERINARY; SCIENCE; COMPRISE; MAIL; SERVE; **SEND** ; USER; INTERFACE; MAIL ; PACKAGE; ONE; REMOTE; USER; UNIT

Derwent Class: S05; T01

International Patent Class (Main): **G06F-017/60** ; **G06F-019/00**

File Segment: EPI

20/5/68 (Item 29 from file: 350)

DIALOG(R)File 350:Derwent WPIX

013156818 **Image available**

WPI Acc No: 2000-328690/200028

XRPX Acc No: N00-247458

Auto PC module enclosure for vehicle computer system , **in which computer** system **modules releasably mounted to enclosure are electrically connected to signal power bus**

Patent Assignee: LEAR AUTOMOTIVE DEARBORN INC (LEAR-N)

Inventor: CHUTORASH R J

Number of Countries: 020 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
WO 200018614	A1	20000406	WO 99US21410	A	19990917	200028	B
US 6411884	B1	20020625	US 98162306	A	19980928	200246	

Priority Applications (No Type Date): US 98162306 A 19980928

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
WO 200018614	A1	E	16	B60R-016/02	
	Designated States (National): JP				
	Designated States (Regional): AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE				
US 6411884	B1			G06F-019/00	

Abstract (Basic): WO 200018614 A1

NOVELTY - A signal power bus mounted in an enclosure (44) is connected to central processing unit. Several computer **system** modules (50A-50D) which are releasably mounted in the enclosure, are electrically connected to signal power bus. Female electrical connectors are connected to signal power bus, one of which is connected to male electrical connector.

DETAILED DESCRIPTION - The enclosure includes an access panel (54) removably secured which provides access to the modules when removed

from the enclosure. The enclosure is mounted with a communication port which is electrically connected to CPU. Data is **transmitted** between vehicle mounted user input **device** and CPU. The module includes an engine control and monitoring **system** , vehicle climate control **system** , vehicle component adjustment **system** , multimedia interactive **system** .

USE - For vehicle computer **system** to control engine function and for diagnostic analysis.

ADVANTAGE - The computer **system** modules are self-contained modules with hardware and **software** and can perform variety of functions. User is enabled to exchange data such as seat **settings** , climate control **settings** , audio **system settings** , engine **diagnostic internet data** or game **information** with one of the computer **system** modules.

DESCRIPTION OF DRAWING(S) - The figure shows perspective view of enclosure and access panel.

Enclosure (44)

Computer **system** modules (50A-50D)

Access panel (54)

pp; 16 DwgNo 2/5

Title Terms: AUTO; MODULE; ENCLOSE; VEHICLE; COMPUTER; **SYSTEM** ; COMPUTER; **SYSTEM** ; MODULE; RELEASE; MOUNT; ENCLOSE; ELECTRIC; CONNECT; SIGNAL; POWER; BUS

Derwent Class: Q17; T01; T06; X22

International Patent Class (Main): B60R-016/02; **G06F-019/00**

International Patent Class (Additional): G05B-019/042; G06G-007/70

File Segment: EPI; EngPI

20/5/69 (Item 30 from file: 350)

DIALOG(R)File 350:Derwent WPIX

012582478 **Image available**

WPI Acc No: 1999-388585/199933

XRPX Acc No: N99-291213

Processing program transfer **system for** data **processing** network **connected** medical apparatus - **transfers** image **processing program from hard disk of X-ray CT console or MRI console to processing console via** network

Patent Assignee: SHIMADZU CORP (SHMA)

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
JP 11151208	A	19990608	JP 97337769	A	19971121	199933	B

Priority Applications (No Type Date): JP 97337769 A 19971121

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
JP 11151208	A		4	A61B-005/00	

Abstract (Basic): JP 11151208 A

NOVELTY - An **image** processing program stored in hard disk (23) of X-ray CT console (20) and hard disk (33) of MRI console (30), is transferred to **data** processing console (10) via a **network** (50), when X-ray CT or MRI **image** has to be processed.

USE - For medical inspection system including x-ray CT apparatus, MRI or gamma camera apparatus connected to **data** processing **network** .

ADVANTAGE - Memory capacity required is less since only minimum program needs to be stored in the hard disk of **data** processor which

enables size reduction. The newest **image** processing program, parameter, etc in each medical inspection apparatus can be used by the **data** processor as it is, without any problems during **image** processing. DESCRIPTION OF DRAWING(S) - The figure shows block diagram of processing program transfer system. (10) **Data** processing console; (20) X-ray CT console; (23,33) Hard disks; (30) MRI console; (50) **Network** .

Dwg.1/2

Title Terms: PROCESS; PROGRAM; TRANSFER; SYSTEM; **DATA** ; PROCESS; **NETWORK** ; CONNECT; MEDICAL; APPARATUS; TRANSFER; **IMAGE** ; PROCESS; PROGRAM; HARD; DISC; RAY; CT; CONSOLE; MRI; CONSOLE; PROCESS; CONSOLE; **NETWORK**

Derwent Class: P31; T01

International Patent Class (Main): A61B-005/00

International Patent Class (Additional): G06F-019/00

File Segment: EPI; EngPI

20/5/70 (Item 31 from file: 350)

DIALOG(R)File 350:Derwent WPIX

011857495 **Image available**

WPI Acc No: 1998-274405/199825

Related WPI Acc No: 1998-144425; 1999-080229

XRPX Acc No: N98-215568

Medical diagnostic ultrasound system **e.g. for accessing** data , images , **from other** ultrasound systems **- has access to images or information over local** network **or over worldwide** network **with** browser **used to pull in** system preset **data ir reference images from reference image library**

Patent Assignee: ATL ULTRASOUND INC (ATLU-N)

Inventor: CANFIELD E M; DEWAR I; RONCALEZ P; ROUNDHILL D N; UNGARI J L; VAN DLAC K; WOOD M A; DICKERSON K; LAUDER D; QUISTGAARD J U; JAGO J R

Number of Countries: 034 Number of Patents: 013

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
EP 844581	A2	19980527	EP 97309385	A	19971120	199825	B
NO 9705308	A	19980522	NO 975308	A	19971119	199830	
AU 9745343	A	19980528	AU 9745343	A	19971121	199833	
JP 10179586	A	19980707	JP 97336591	A	19971121	199837	
CA 2221908	A	19980521	CA 2221908	A	19971121	199838	
CN 1192882	A	19980916	CN 97109398	A	19971121	199905	
US 5891035	A	19990406	US 96719360	A	19960925	199921	
			US 9631591	A	19961121		
			US 97957459	A	19971024		
US 5897498	A	19990427	US 96719360	A	19960925	199924	
			US 9631591	A	19961121		
			US 97958438	A	19971027		
KR 98042644	A	19980817	KR 9761664	A	19971121	199938	
TW 358727	A	19990521	TW 97117444	A	19971121	199939	
US 5938607	A	19990817	US 96719360	A	19960925	199939	
			US 9631591	A	19961121		
			US 97957577	A	19971024		
BR 9705770	A	19991123	BR 975770	A	19971120	200013	
MX 9708846	A1	19990601	MX 978846	A	19971117	200058	

Priority Applications (No Type Date): US 9631591 P 19961121; US 96719360 A 19960925; US 97957459 A 19971024; US 97958438 A 19971027; US 97957577 A 19971024

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
EP 844581	A2	E	13	G06F-019/00	
Designated States (Regional): AL AT BE CH DE DK ES FI FR GB GR IE IT LI LT LU LV MC MK NL PT RO SE SI					
NO 9705308	A			H04L-012/24	
AU 9745343	A			G06F-159/00	
JP 10179586	A		14	A61B-008/00	
CA 2221908	A			A61B-008/00	
CN 1192882	A			A61B-008/00	
US 5891035	A			A61B-008/00	CIP of application US 96719360 Provisional application US 9631591 CIP of patent US 5715823
US 5897498	A			A61B-008/00	CIP of application US 96719360 Provisional application US 9631591 CIP of patent US 5715823
KR 98042644	A			A61B-008/00	
TW 358727	A			A61B-008/00	
US 5938607	A			A61B-008/00	CIP of application US 96719360 Provisional application US 9631591 CIP of patent US 5715823
BR 9705770	A			A61N-007/00	
MX 9708846	A1			A61B-008/00	

Abstract (Basic): EP 844581 A

The **system** comprises **browser software** installed on the ultrasound **system** and a **network** connector which connects the **browser software** to a database external to the **ultrasound system**, where externally stored **images** or **information** are remotely accessible through the **browser software**. The **browser software** has a **device** to view hypertext data.

The **browser software** is connected to TCP/IP **software** and PPP **software**. The **system** has a user interface to control the operation of the ultrasound **system**, where the **browser software** is also operated by the user interface. The user interface includes an image display.

USE - For training and operation information retrieval.

ADVANTAGE - Provides **ultrasound system** operator with immediate access to latest **information** about **ultrasound system** and its capabilities. Enables operator to **transmit** acquired **images** or **diagnostic** reports directly from **ultrasound system** to physician at other location.

Dwg.1/3

Title Terms: MEDICAL; DIAGNOSE; ULTRASONIC; **SYSTEM** ; ACCESS; DATA; IMAGE; ULTRASONIC; **SYSTEM** ; ACCESS; IMAGE; INFORMATION; LOCAL; **NETWORK** ; WORLD ; **NETWORK** ; PULL; **SYSTEM** ; **PRESET** ; DATA; INFRARED; REFERENCE; IMAGE; REFERENCE; IMAGE; LIBRARY

Derwent Class: P31; S05; T01

International Patent Class (Main): A61B-008/00; A61N-007/00; **G06F-019/00** ; **G06F-159/00** ; H04L-012/24

International Patent Class (Additional): G01S-015/00; **G06F-013/00**

File Segment: EPI; EngPI

20/5/71 (Item 32 from file: 350)

011429736 **Image available**

WPI Acc No: 1997-407643/199738

XRPX Acc No: N97-339065

Automatic gradation processor for medical applications **e.g. X-ray CT appts and NMR tomography appts - includes learning unit which enables learning process based on offset in gradation establishment teaching parameter which is held separately using neural** network

Patent Assignee: SHIMADZU CORP (SHMA)
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 9179977	A	19970711	JP 95350194	A	19951221	199738 B

Priority Applications (No Type Date): JP 95350194 A 19951221
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
JP 9179977	A		11		

Abstract (Basic): JP 9179977 A

The gradation processor transforms the concentration of input pixel of **medical image** obtained from a **diagnostic imaging equipment** into suitable concentration of an output pixel based on the gradation **transfer** characteristic. A picture variety distinction unit (5) distinguishes the kind of **medical image** obtained. The gradation **transfer** characteristic is established based on the concentration of the input picture based on the output of the picture variety distinction unit. A set of row parameter calculators (CL1-CLn) is provided to calculate the gradation establishment parameter. A gradation transformation establishing unit holds the **setting** of the gradation **transfer** characteristic based on the gradation establishment parameter.

A histogram producing unit (17) produces a concentration histogram of the input pixel. A neural **network** (18) inputs the concentration histogram and calculates the gradation establishment parameter. A learning unit (19) enables learning process based on the offset in the gradation establishment teaching parameter which is held separately using the neural **network** . The learning unit operates corresponding to the trial calculation parameter for gradation establishment and model picture after calculating the weightage of the model picture in the neural **network** .

ADVANTAGE - Enables **setting** of suitable gradation **transfer** characteristic. Provides sufficient picture display contrast.

Dwg.1/9

Title Terms: AUTOMATIC; GRADATION; PROCESSOR; MEDICAL; APPLY; RAY; CT; **APPARATUS** ; NMR; TOMOGRAPHY; **APPARATUS** ; LEARNING; UNIT; ENABLE; LEARNING; PROCESS; BASED; OFFSET; GRADATION; ESTABLISH; TEACH; PARAMETER; HELD; SEPARATE; NEURAL; **NETWORK**
Index Terms/Additional Words: **MRI_IMAGI NGAutomat ic grad** ; IMAGING
Derwent Class: S01; S03; S05; T01; W02
International Patent Class (Main): G06T-005/00
International Patent Class (Additional): G01T-001/161; **G06F-015/18** ; **G06F-019/00** ; G06T-001/00; H04N-001/405
File Segment: EPI

20/5/72 (Item 33 from file: 350)
DIALOG(R)File 350:Derwent WPIX

011166604 **Image available**
WPI Acc No: 1997-144529/199713
Related WPI Acc No: 1998-144425; 1999-080229
XRPX Acc No: N97-119633

Medical diagnostic ultrasound system scan **head remote upgrading - establishing** data **communications link over common carrier communications** network **between program** data server **at factory and ultrasound system**

Patent Assignee: ADVANCED TECHNOLOGY LAB INC (ADTE-N)
Inventor: PFLUGRATH L S; SOUQUET J
Number of Countries: 019 Number of Patents: 003
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
US 5603323	A	19970218	US 96607894	A	19960227	199713	B
EP 795295	A1	19970917	EP 97301270	A	19970226	199742	
JP 9234201	A	19970909	JP 9757091	A	19970226	199746	

Priority Applications (No Type Date): US 96607894 A 19960227
Cited Patents: EP 599606; US 5434900; WO 9515521
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 5603323	A		14	A61B-008/00	
EP 795295	A1	E	16		
	Designated States (Regional): AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE				
JP 9234201	A		13		

Abstract (Basic): US 5603323 A

The method involves receiving an order from a customer for a **scan** -head upgrade with checking the configuration of the ultrasound system that is to receive the **scan** -head upgrade. A **scan** -head is dispatched by air to a location of the ultrasound system. A **data** communications link is established over a common carrier communications **network** between a program **data server** at the factory and the **ultrasound system** . An upgrade **program data** is **transmitted** from the **program data server** to the **ultrasound system** over the **data** communications link.

The upgrade **program data** is **received** by the **ultrasound system** and it is installed in the **ultrasound** system . Finally it requires reporting by the **ultrasound system** to the program **data server** that the upgrade program **data** has been successfully received or installed.

ADVANTAGE - Capable of being remotely upgraded with new transducer probes and other additional performance features.

Dwg.4b/5

Title Terms: MEDICAL; DIAGNOSE; ULTRASONIC; SYSTEM; **SCAN** ; HEAD; REMOTE; UPGRADING; ESTABLISH; **DATA** ; COMMUNICATE; LINK; COMMON; CARRY; COMMUNICATE; **NETWORK** ; PROGRAM; **DATA** ; SERVE; FACTORY; ULTRASONIC; SYSTEM
Derwent Class: P31; S05; T01; W01
International Patent Class (Main): A61B-008/00
File Segment: EPI; EngPI

20/5/73 (Item 34 from file: 350)
DIALOG(R)File 350:Derwent WPIX

011113785 **Image available**
WPI Acc No: 1997-091710/199709
XRPX Acc No: N97-075617
Multi- protocol network **monitoring and diagnosing** system **for local area** network **- uses input-output and displaying unit in checking monitoring time for every computer and log of alarm generation, and**

displays generation of prim. and sec. alarms
Patent Assignee: NIPPON DENKI FIELD SERVICE KK (NIDE)
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
JP 8328972	A	19961213	JP 95132446	A	19950530	199709	B

Priority Applications (No Type Date): JP 95132446 A 19950530
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
JP 8328972	A		7	G06F-013/00	

Abstract (Basic): JP 8328972 A
The **system** uses a transceiver (2) in **receiving** and **transmitting** data which spreads to a **LAN** (1) and a test data respectively. A data analyser (3) analyses a communication **protocol** classification for every address of the **received** data. A timer monitor (4) is used in comparing the monitored data **receiving** space for every address to a monitoring time previously established for every computer (11A-11N). A memory (5) stores the analysed data and the monitoring time in a monitoring table. A magnetic memory (6) stores the monitoring table and an alarm generation log. A prim. generator (7) produces a prim. alarm when the computer without **sending** a constant time data is detected. A sec. generator (9) produces a sec. alarm when a response is not produced to the test **data transmitted** by a **diagnostic** unit (8).
The generated prim. and sec. alarms are displayed through an input-output and displaying unit (10). The input-output and displaying unit checks the **setting** of the monitoring time for every computer and the alarm generation log.
ADVANTAGE - Avoids excessive data traffic attaining effective data monitoring without reducing **network** efficiency.
Dwg.1/6
Title Terms: MULTI; **PROTOCOL** ; **NETWORK** ; MONITOR; DIAGNOSE; **SYSTEM** ; LOCAL; AREA; **NETWORK** ; INPUT; OUTPUT; DISPLAY; UNIT; CHECK; MONITOR; TIME; COMPUTER; LOG; ALARM; GENERATE; DISPLAY; GENERATE; PRIMARY; SEC; ALARM
Derwent Class: T01; W01
International Patent Class (Main): **G06F-013/00**
International Patent Class (Additional): **G06F-011/30** ; **G06F-011/34** ; H04L-012/28; H04L-012/46; H04L-029/14
File Segment: EPI

20/5/74 (Item 35 from file: 350)
DIALOG(R)File 350:Derwent WPIX

009384931 **Image available**
WPI Acc No: 1993-078409/199310
Related WPI Acc No: 1988-085692
XRPX Acc No: N93-060168
Starting up subsystem in distributed system **- processing corresp. function of subsystem by use of data accepted from** transmission **medium and-or data within subsystem itself**
Patent Assignee: HITACHI LTD (HITA)
Inventor: KASASHIMA H; KAWANO K; KOIZUMI M; MORI K; NAKAI K; ORIMO M; SUZUKI Y; WACHI I
Number of Countries: 003 Number of Patents: 004
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
EP 530863	A2	19930310	EP 92119567	A	19870720	199310	B
EP 530863	A3	19930609	EP 92119567	A	19870720	199404	
EP 530863	B1	19961106	EP 87110477	A	19870720	199649	
			EP 92119567	A	19870720		
DE 3751949	G	19961212	DE 3751949	A	19870720	199704	
			EP 92119567	A	19870720		

Priority Applications (No Type Date): JP 86191842 A 19860815
Cited Patents: No-SR.Pub; 1.Jnl.Ref; GB 2079997; US 4306288
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
EP 530863	A2	E	14	G06F-011/00	Related to patent EP 261335
EP 530863	B1	E	14	G06F-011/00	Div ex application EP 87110477
Designated States (Regional): DE FR GB					
DE 3751949	G			G06F-011/00	Based on patent EP 530863
EP 530863	A3			G06F-011/00	

Abstract (Basic): EP 530863 A
The method of starting up a subsystem in a distributed **system** having a number of processors connected to a common **transmission** line (21), involves **setting** (58) the subsystem in a test mode. A corresp. function of the subsystem is processed by the use of data accepted form the **transmission** line (21) and/or data within the **system** itself.
The function is diagnosed (56) on the basis of a result of the process. The subsystem is set in an **on - line** mode dependent on a result of the diagnosis.
ADVANTAGE - Test can be conducted without affecting another subsystem.
Dwg.2/8
Title Terms: START; UP; SUBSYSTEM; DISTRIBUTE; **SYSTEM** ; PROCESS; CORRESPOND; FUNCTION; SUBSYSTEM; DATA; ACCEPT; **TRANSMISSION** ; MEDIUM; DATA; SUBSYSTEM
Derwent Class: T01
International Patent Class (Additional): **G06F-011/22**
File Segment: EPI

20/5/75 (Item 36 from file: 350)
DIALOG(R)File 350:Derwent WPIX

008418178 **Image available**
WPI Acc No: 1990-305179/199040
Related WPI Acc No: 1982-L9993E; 1982-L9994E; 1984-158732; 1985-249064; 1985-262978; 1986-075575; 1986-143864; 1986-218575; 1986-248301; 1986-252034; 1987-050158; 1987-050159; 1987-079773; 1987-115922; 1987-150714; 1987-223418; 1987-228454; 1987-309022; 1987-362488; 1988-119582; 1988-161692; 1988-197930; 1988-219902; 1988-242503; 1988-301854; 1988-355839; 1989-039724; 1989-054176; 1990-044248; 1990-270109; 1990-270177; 1991-094267
XRPX Acc No: N90-234539
Device **for counting similar part in automatic packaging - has microprocessor which controls counting process, also includes automatic calibrator of** presetting **control voltage**
Patent Assignee: MOORE PUSH-PIN CO (MOOR-N)
Inventor: GROSS B M
Number of Countries: 032 Number of Patents: 003
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week

						199040 B
WO 9010918	A	19900920				199102
AU 9052809	A	19901009				199104
US 4982412	A	19910101	US 89322715	A	19890313	

Priority Applications (No Type Date): US 89322715 A 19890313
Cited Patents: US 3618819; US 3900718; US 4110604; US 4139766; US 4281765; US 4373201; US 4519090
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
WO 9010918	A				

Designated States (National): AU BB BG BR CA FI HU JP KP KR LK MC MG MW NO RO SD SU
Designated States (Regional): AT BE CH DE DK ES FR GB IT LU NL OA SE

Abstract (Basic): WO 9010918 A

Device includes a photoelectric circuit for detecting the presence of a part by observing the blockage of a beam of radiation caused by the presence of the part, and a counting circuit for counting electrical pulses generated by the photoelectric circuit in response to the presence of a part.

Device also includes a counting controller for deactivating the counting circuit for an adjustable interval following the leading edge of one of the **received** pulses. The interval is adaptive to the length of a part.

USE/ADVANTAGE - Very accurate counting and capable of preventing wrong kind of part from being counted. Counting process can be made to be adaptive to the shape of parts. (46pp Dwg.No.2/4

Title Terms: **DEVICE** ; COUNT; SIMILAR; PART; AUTOMATIC; PACKAGE; MICROPROCESSOR; CONTROL; COUNT; PROCESS; AUTOMATIC; CALIBRATE; **PRESET** ; CONTROL; VOLTAGE
Derwent Class: T01; T05; X25
International Patent Class (Additional): **G06F-011/00** ; G06M-001/27; G06M-003/00; G06M-011/04
File Segment: EPI

20/5/76 (Item 37 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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007928657
WPI Acc No: 1989-193769/198927
XRPX Acc No: N89-148209
Diagnostic system **for motor vehicle with** electronic **control** system **- contains computer with memory holding test** programs **and analogue-to-digital conveyor**
Patent Assignee: FUJI JUKOGYO KK (FUJH); FUJI HEAVY IND LTD (FUJH)
Inventor: ABE K; KOBAYASHI T
Number of Countries: 004 Number of Patents: 006
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
DE 3842258	A	19890629	DE 3842258	A	19881215	198927 B
GB 2212638	A	19890726	GB 8829270	A	19881215	198930
US 4926330	A	19900515	US 88278796	A	19881130	199024
DE 3842258	C	19900628				199026
GB 2212638	B	19920520	GB 8829270	A	19881215	199221
JP 2000199732	A	20000718	JP 87324446	A	19871221	200040
			JP 99339347	A	19871221	

Priority Applications (No Type Date): JP 87324446 A 19871221; JP 99339347 A

19871221

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
DE 3842258	A		8	G06F-015/20	
GB 2212638	B		7	G01M-017/007	Div ex application JP 87324446
JP 2000199732	A				

Abstract (Basic): DE 3842258 A

A test arrangement (25) contains a computer (28) with a CPU (36) and a memory (37) in which are stored several **programs** for testing the **electronic** control **system** . The computer is connected to the **electronic** control **system** and analogue signals from elements of the vehicle are entered via connecting ports (47a,47b,48a,48b).

An analogue-to-digital converter (44,44a) is connected to the connecting ports and to the computer to enable analogue signals to be tested and displayed. The connecting ports are arranged on a cassette which is removably mounted on the arrangements housing. The **system** can also contain sensing heads which are connected to the connecting ports.

USE/ADVANTAGE - For testing **electronic** /electrical **systems** of motor vehicles. Diagnostic **system** is developed to facilitate this testing.

2b/3

Title Terms: DIAGNOSE; **SYSTEM** ; MOTOR; VEHICLE; **ELECTRONIC** ; CONTROL; **SYSTEM** ; CONTAIN; COMPUTER; MEMORY; HOLD; TEST; **PROGRAM** ; ANALOGUE; DIGITAL; CONVEYOR

Derwent Class: Q13; Q17; Q52; Q54; S02; T01; X22

International Patent Class (Main): G01M-017/007; **G06F-015/20**

International Patent Class (Additional): B60K-016/02; B60R-016/02; B60S-005/00; F02D-041/26; F02P-017/00; G01D-021/00; G01M-015/00; G01M-017/00; **G06F-011/00** ; **G06F-011/30**

File Segment: EPI; EngPI

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Set     Items   Description
S1         20   AU=(KORITZINSKY, I? OR KORITZINSKY I? OR REICH J? OR REICH,
               J?)
S2     259480   DIAGNOS? OR MEDICAL? OR ULTRASOUND? OR ULTRA()SOUND? OR TO-
              MOGRAPH? OR NMR OR MRI OR XRAY? OR X()RAY?
S3     814648   IMAG??? OR SCAN? OR DATA? ? OR INFO OR INFORMATION
S4    1954402   PROTOCOL? OR PROGRAM? OR SOFTWARE? OR APPLICATION?
S5     223816   PRESET? OR PRE()SET? ? OR SETTING? OR MODALIT?
S6    1079188   IMPORT? ? OR TRANSFER? OR TRANSMI? OR FORWARD? OR SEND? OR
              SENT OR DOWNLOAD? OR RECEIV? OR LOADING?
S7    1417757   DEVICE? OR EQUIPMENT? OR APPARATUS? OR MACHINE OR SYSTEM?
S8     513986   ONLINE OR ON()LINE OR INTERNET OR INTRANET OR EXTRANET OR -
              WEB? OR HOMEPAGE OR HOME()PAGE OR NETWORK? OR PORTAL? OR WWW -
              OR CYBER? OR LAN OR WAN OR ELECTRONIC? OR SERVER? OR BROWSER?
S9      32847   S2(2N)S3
S10      1788   S9(10N)S8
S11       844   S10(12N)S7
S12       201   S11(12N)S4
S13        75   S12(12N)(S5 OR S6)
S14        43   S13 AND IC=G06F?
S15     35630   S2(2N)S7
S16     56992   S4(2N)S6
S17       407   S15(S)S16
S18        82   (S17(15N)S8)(15N)S3
S19        37   S18 AND IC=G06F?
S20        69   S19 OR S14
? show files
File 348:EUROPEAN PATENTS 1978-2002/Dec W03
         (c) 2002 European Patent Office
File 349:PCT FULLTEXT 1979-2002/UB=20030102,UT=20021226
         (c) 2003 WIPO/Univentio
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20/3,K/1 (Item 1 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS

01435825
Medical image management system
Verwaltungssystem fur medizinische Bilder
Systeme de gestion d'images medicales
PATENT ASSIGNEE:
Heart Imaging Technologies, LLC, (4001420), 1062 Kingsport Drive, Wheeling, Illinois 60090, (US), (Applicant designated States: all)
INVENTOR:
Judd, Robert M., 1062 Kingsport Drive, Wheeling, Illinois 60090, (US)
Chen, Enn-Ling, 57 East Delaware Place, Unit 1601, Chicago, Illinois 60611, (US)
Kim, Raymond J., 57 East Delaware Place, Unit 1601, Chicago, Illinois 60611, (US)
LEGAL REPRESENTATIVE:
Rees, David Christopher et al (47921), Kilburn & Strode 20 Red Lion Street, London WC1R 4PJ, (GB)
PATENT (CC, No, Kind, Date): EP 1217556 A2 020626 (Basic)
APPLICATION (CC, No, Date): EP 2001310653 011220;
PRIORITY (CC, No, Date): US 742575 001220
DESIGNATED STATES: AT; BE; CH; CY; DE; DK; ES; FI; FR; GB; GR; IE; IT; LI; LU; MC; NL; PT; SE; TR
EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI
INTERNATIONAL PATENT CLASS: **G06F-017/30** ; **G06F-019/00**
ABSTRACT WORD COUNT: 75
NOTE:
Figure number on first page: NONE

LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	200226	1308
SPEC A	(English)	200226	7203
Total word count - document A			8511
Total word count - document B			0
Total word count - documents A + B			8511

INTERNATIONAL PATENT CLASS: **G06F-017/30** ...

... **G06F-019/00**

...SPECIFICATION viewing.
Figs. 2 and 3 show the process in schematic form. In Fig. 2, a **medical image** management **system** 10 is connected via a hospital **intranet** or the **Internet** 12 to a number of **browsers** 14 (such as Microsoft Explorer or Netscape Navigator). The connection 12 to the browsers is used to: 1) accept commands to pull **images** from the **scanners** 16; 2) to navigate through **images** which have already been posted as **web** pages; and 3) to arrange and organize **images** for viewing. The **medical image** management **system** 10 is also connected to a number of medical **imaging** systems (**scanners**) 16 via a hospital intranet or the Internet 12'. The connection 12' to the **scanners** 16 is used to pull the **images** by **Internet** -standard file **transfer protocols** (FTP). Alternatively, **images** can be transferred to the system 10 via a disk drive or disk 18 (see...

20/3,K/2 (Item 2 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS

01426882
System architecture for medical imaging systems
Systemarchitektur fur medizinische Bilderzeugungssysteme
Architecture de systeme pour des systemes d'imagerie medicale
PATENT ASSIGNEE:
GE Medical Systems Global Technology Company LLC, (3157662), 3000 North Grandview Boulevard, Waukesha, Wisconsin 53188-1696, (US), (Applicant designated States: all)
INVENTOR:
Balloni, William J., N53 W15945 Whispering Way, Menomonee Falls, Wisconsin 53051, (US)
Debbins, Josef Phillip, 116 West Wabash Avenue, Waukesha, Wisconsin 53186, (US)
Haworth, Robert, 3075 Sauk Trail, Brookfield, Wisconsin 53005, (US)
Licato, Paul E., 2602 North 81st Street, Wauwatosa, Wisconsin 53213, (US)
McKinnon, Graeme Colin, N49 W31157 Old Steeple Road, Hartland, Wisconsin 53029, (US)
Pettersson, Bo J., 11045 Cathedral Court, Wauwatosa, Wisconsin 53226, (US)
Ploetz, Lawrence Edward, 16820 Willow Ridge Lane, Brookfield, Wisconsin 53005, (US)
Radick, Mark, W176 S7787 Castle Glen Court, Muskego, Wisconsin 53150, (US)
LEGAL REPRESENTATIVE:
Goode, Ian Roy (31097), GE LONDON PATENT OPERATION, Essex House, 12/13 Essex Street, London WC2R 3AA, (GB)
PATENT (CC, No, Kind, Date): EP 1204063 A2 020508 (Basic)
APPLICATION (CC, No, Date): EP 2001309381 011106;
PRIORITY (CC, No, Date): US 706963 001106
DESIGNATED STATES: AT; BE; CH; CY; DE; DK; ES; FI; FR; GB; GR; IE; IT; LI; LU; MC; NL; PT; SE; TR
EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI
INTERNATIONAL PATENT CLASS: **G06F-019/00**
ABSTRACT WORD COUNT: 67
NOTE:
Figure number on first page: 3

LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	200219	532
SPEC A	(English)	200219	7260
Total word count - document A			7792
Total word count - document B			0
Total word count - documents A + B			7792

INTERNATIONAL PATENT CLASS: **G06F-019/00**

...SPECIFICATION 22, 23) for each description and in which components in each of the descriptions is **downloaded** to its corresponding **server** to enable the MRI **system** to perform the prescribed **scan** .
15. The **MRI system** as recited in clause 15 in which the workstation (10) is further **programmed** to provide:
a plurality of agents (68, 70, 72, 74, 76), each agent corresponding to...

20/3,K/3 **(Item 3 from file: 348)**
DIALOG(R)File 348:EUROPEAN PATENTS

01423942
Medical software methods and systems
Medizinische Software-Verfahren und Systeme
Procedes et systemes de logiciel medical
PATENT ASSIGNEE:
GE Medical Systems Global Technology Company LLC, (3157662), 3000 North Grandview Boulevard, Waukesha, Wisconsin 53188-1696, (US), (Applicant designated States: all)
INVENTOR:
Ohe, Yasuhiro, 7-127, Asahigaoka 4-chome, Hino-Shi, Tokyo 191-8503, (JP)
Kosugi, Susumu, 7-127, Asahigaoka 4-chome, Hino-Shi, Tokyo 191-8503, (JP)
Miyoshi, Mitsuharu, 7-127, Asahigaoka 4-chome, Hino-Shi, Tokyo 191-8503, (JP)
LEGAL REPRESENTATIVE:
Goode, Ian Roy (31097), GE LONDON PATENT OPERATION, Essex House, 12/13 Essex Street, London WC2R 3AA, (GB)
PATENT (CC, No, Kind, Date): EP 1202210 A2 020502 (Basic)
APPLICATION (CC, No, Date): EP 2001308918 011019;
PRIORITY (CC, No, Date): JP 2000332215 001031
DESIGNATED STATES: AT; BE; CH; CY; DE; DK; ES; FI; FR; GB; GR; IE; IT; LI; LU; MC; NL; PT; SE; TR
EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI
INTERNATIONAL PATENT CLASS: **G06F-019/00**
ABSTRACT WORD COUNT: 132
NOTE:
Figure number on first page: 4

LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	200218	896
SPEC A	(English)	200218	6696
Total word count - document A			7592
Total word count - document B			0
Total word count - documents A + B			7592

INTERNATIONAL PATENT CLASS: **G06F-019/00**

...SPECIFICATION to a vendor management server device managed by a vendor as a provider of medical **software** ; registering medical **software** with use limitation in the medical image diagnostic **device** ; upon request to use the medical **software** by the **medical image diagnostic device** , sending the use request through the **network** to the vendor management server **device** ; and when the vendor management server **device receives** the use request, sending an option key for making the medical **software** available to the medical image diagnostic device.
In the medical software providing method of the first aspect, when the medical **software** is used on the **medical image diagnostic device** , the use request is **sent** through the **network** to the vendor management server **device** so as to **receive** the option key from the vendor management server device. The option key is used to...

...available.
When the medical software is used, an option key having a small amount of **data** is only received through the **network** so as to reduce the

download time as compared with when the medical **software** itself is **received** . However, without sending the option key through the **network** , a portable recording medium recording the option key may be sent to the **medical image** diagnostic device .

When (or before and after) the option key is sent to the medical **image** diagnostic device, electronic commerce for charging the customer for the use fee can be realized a vendor as a provider of medical **software** ; registering medical **software** with use limitation in the medical image diagnostic **device** ; upon request to use the medical **software** on a customer **Web** Page displayed on the **medical image diagnostic device** , sending the use request through the **network** to the vendor management server **device** ; and when the vendor management server **device receives** the use request, sending an option key for making the medical **software** available to the medical image diagnostic device.

The medical software providing method of the second...

...to a vendor management server device managed by a vendor as a provider of medical **software** ; registering medical software in the medical image diagnostic **device** ; upon request to update the medical **software** on a customer **Web** Page displayed on the **medical image diagnostic device** , sending the update request through the **network** to the vendor management server **device** ; and when the vendor management **server device** receives the update request, sending updating **data** of the **medical software** to the medical image diagnostic **device** .

In the medical **software** providing method of the third aspect, when the medical **software** registered in the **medical image diagnostic device** is updated, the update request is **sent** through the **network** to the vendor mange server **device** to **receive** the updating data from the vendor management server device. The updating data is used to...the second embodiment, when the customer only clicks the "update" request button of the customer **Web** Page screen G20 displayed on the **medical image diagnostic device** , the customer **receives** the updating data from the vendor management server **device** 100 to update the installed **application software** .

In the second embodiment, instead of or adding version up of the installed application software...

...CLAIMS to a vendor management server device managed by a vendor as a provider of medical **software** ;
registering medical **software** with use limitation in the medical image diagnostic **device** ;
upon request to use the medical **software** by the **medical image diagnostic device** , sending the use request through the **network** to the vendor management server **device** ; and
when the vendor management server **device receives** the use request, sending an option key for making the medical **software** available to the medical image diagnostic device.

2. A medical software providing method comprising the...

...to a vendor management server device managed by a vendor as a provider of medical **software** ;
registering medical **software** with use limitation in the medical image diagnostic **device** ;
upon request to use the medical **software** on a customer **Web** Page displayed on the **medical image diagnostic device** , sending the use request through the **network** to the vendor management server **device** ; and
when the vendor management server **device receives** the use request, sending an option key for making the medical **software** available to

the medical image diagnostic device.

3. A medical software providing method comprising the...

...to a vendor management server device managed by a vendor as a provider of medical **software** ;

registering medical software in the medical image diagnostic **device** ;

upon request to update the medical **software** on a customer **Web** Page displayed on the **medical image diagnostic** device , sending the update request through the **network** to the vendor management server **device** ; and

when the vendor management **server device** receives the update request, sending updating **data** of the **medical software** to the medical image diagnostic **device** .

4. The medical **software** providing method according to any one of claims 1 to 3, wherein the vendor management...

...responding to the lending or the purchase by the vendor when the vendor management server **device receives** the transaction request.

7. A medical **software** providing **system** comprising:

a **medical image diagnostic device** registering medical **software** with use limitation;

a vendor management **server device** managed by a vendor as a provider of the medical software; and

a network connecting...

20/3,K/4 (Item 4 from file: 348)

DIALOG(R)File 348:EUROPEAN PATENTS

01400453

Medical image service method and apparatus

Verfahren und Anlage fur medizinischen Bilddienst

Methode et dispositif pour un service d'image medical

PATENT ASSIGNEE:

GE Medical Systems Global Technology Company LLC, (3157662), 3000 North Grandview Boulevard, Waukesha, Wisconsin 53188-1696, (US), (Applicant designated States: all)

INVENTOR:

Ogino, Tetsuo, 7-127, Asahigaoka 4-chome, Hino-shi, Tokyo 191-8503, (JP)

Shiraishi, Toshihito, 7-127, Asahigaoka 4-chome, Hino-shi, Tokyo 191-8503 , (JP)

Tsunoda, Toshio, 7-127, Asahigaoka 4-chome, Hino-shi, Tokyo 191-8503, (JP)

LEGAL REPRESENTATIVE:

Goode, Ian Roy (31097), GE LONDON PATENT OPERATION, Essex House, 12/13 Essex Street, London WC2R 3AA, (GB)

PATENT (CC, No, Kind, Date): EP 1184802 A2 020306 (Basic)

APPLICATION (CC, No, Date): EP 2001307508 010904;

PRIORITY (CC, No, Date): JP 2000266560 000904; JP 200171313 010314

DESIGNATED STATES: AT; BE; CH; CY; DE; DK; ES; FI; FR; GB; GR; IE; IT; LI; LU; MC; NL; PT; SE; TR

EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI

INTERNATIONAL PATENT CLASS: **G06F-019/00**

ABSTRACT WORD COUNT: 116

NOTE:

Figure number on first page: 12

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	200210	558
SPEC A	(English)	200210	11395
Total word count - document A			11953
Total word count - document B			0
Total word count - documents A + B			11953

INTERNATIONAL PATENT CLASS: **G06F-019/00**

...CLAIMS image-receiving subscriber.
2. The medical image service method of claim 1, wherein said image-**receiving** subscriber sends format information including image identifier information to a hard copy **device** , and said hard copy **device** obtains delivery of a **medical image** corresponding to said image identifier information from said **server apparatus** via said **network** , and makes a hard copy of the **medical image** .
3. A **medical software** service method, wherein a **software** -executing subscriber permitted to run medical **software** , and a server apparatus for centrally managing medical software are connected via a network; and said server apparatus registers medical software in a database and delivers said medical **software** to said software-executing subscriber.
4. A medical image central management server apparatus comprising: a medical image registering **device** for, when registration of a **medical image** is requested by an image-registering subscriber connected via a **network** , registering said **medical image** in a database; and a **medical image** delivery **device** for, when delivery of a **medical image** is requested by an image-receiving subscriber connected via said **network** , reading the **medical** image from said database and delivering the **medical** image to said image-**receiving** subscriber.
5. A medical image central management server apparatus comprising: a medical image/imaging condition...

...of its execution) to said software-executing subscriber in response to an access by said **software** -executing subscriber.
7. A medical image service **system** comprising: an image-registering subscriber permitted to register medical images via a **network** ; an image- **receiving** subscriber permitted to **receive medical images** via the **network** ; and a **server apparatus** for registering **medical images sent** by said image-registering subscriber in a database and delivering said medical images to said...

20/3,K/5 (Item 5 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS

01383355
Method and system for managing chronic disease and wellness online
Verfahren und System zur Online-Verwaltung von schleichender Krankheit und Gesundheit
Methode et systeme de traitement en ligne de maladie chronique et de bien-etre
PATENT ASSIGNEE:
Chan, Bryan K., (3329480), 531 Woodside Road, Apt. 204, Redwood City, CA 94061, (US), (Applicant designated States: all)
Chu, Lawrence F., (3329490), 531 Woodside Road, Apt. 322, Redwood City, CA 94061, (US), (Applicant designated States: all)
INVENTOR:

Chan, Bryan K., 531 Woodside Road, Apt. 204, Redwood City, CA 94061, (US)
Chu, Lawrence F., 531 Woodside Road, Apt. 322, Redwood City, CA 94061, (US)
LEGAL REPRESENTATIVE:
Perkins, Sarah (69642), Stevens, Hewlett & Perkins Halton House 20/23 Holborn, London EC1N 2JD, (GB)
PATENT (CC, No, Kind, Date): EP 1174816 A2 020123 (Basic)
APPLICATION (CC, No, Date): EP 2001303871 010427;
PRIORITY (CC, No, Date): US 200556 P 000428
DESIGNATED STATES: AT; BE; CH; CY; DE; DK; ES; FI; FR; GB; GR; IE; IT; LI; LU; MC; NL; PT; SE; TR
EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI
INTERNATIONAL PATENT CLASS: **G06F-019/00**
ABSTRACT WORD COUNT: 128
NOTE:
Figure number on first page: 1

LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	200204	624
SPEC A	(English)	200204	10013
Total word count - document A			10637
Total word count - document B			0
Total word count - documents A + B			10637

INTERNATIONAL PATENT CLASS: **G06F-019/00**

...CLAIMS knowledge database about the health condition, the knowledge database being constantly updated with other related **servers** on the **network** .
11. The machine-readable medium of Claim 9, wherein the **program** code for **receiving** the patient **data** comprises program code for receiving diagnostic **data** from a diagnostic test device.
12. The machine-readable medium of Claim 9, wherein the...

20/3,K/6 (Item 6 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS

01361945
System for automatically acquiring exam data from medical imaging devices and gererating reports on radiology department operations
System zum automatischen Erfassen von Untersuchungsdaten von medizinischen Bilderzeugungsvorrichtungen und zum Erzeugen von Berichten uber Radiologieabteilungsoperationen
Systeme d'acquisition automatiques des donnees d'examen des dispositifs d'imagerie medicals et de production de rapports sur des operations d'un departement de radiologie
PATENT ASSIGNEE:
GENERAL ELECTRIC COMPANY, (203903), 1 River Road, Schenectady, NY 12345, (US), (Applicant designated States: all)
INVENTOR:
Pomeroy, Bruce Douglas, 2137 Pangburn Road, Duanesburg, New York 12056, (US)
White, Pauline, 12354 Duanesburg Road, Delanson, New York 12053, (US)
Butler, Timothy David, S40 W31359 Johns Way, Waukesha, Wisconsin 53189, (US)
LEGAL REPRESENTATIVE:

Pedder, James Cuthbert et al (34801), GE London Patent Operation, Essex House, 12/13 Essex Street, London WC2R 3AA, (GB)
PATENT (CC, No, Kind, Date): EP 1160716 A2 011205 (Basic)
APPLICATION (CC, No, Date): EP 2001304761 010531;
PRIORITY (CC, No, Date): US 208514 P 000601; US 699167 001027
DESIGNATED STATES: AT; BE; CH; CY; DE; DK; ES; FI; FR; GB; GR; IE; IT; LI; LU; MC; NL; PT; SE; TR
EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI
INTERNATIONAL PATENT CLASS: **G06F-019/00**
ABSTRACT WORD COUNT: 54
NOTE:
Figure number on first page: 1

LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	200149	677
SPEC A	(English)	200149	5757
Total word count - document A			6434
Total word count - document B			0
Total word count - documents A + B			6434

INTERNATIONAL PATENT CLASS: **G06F-019/00**
...SPECIFICATION 10 and the analysis center 12 in any suitable format, such as in accordance with **Internet protocol** , the **transmission** control **protocol** , or other known protocols. Moreover, certain of the **data** may be transmitted or formatted via markup languages such as hyper-text markup language (HTML...

20/3,K/7 (Item 7 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS

01361051
MEDICAL INFORMATION SYSTEM
MEDIZINISCHES INFORMATIONSSYSTEM
SYSTEME D'INFORMATIONS MEDICALES
PATENT ASSIGNEE:
MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD., (216883), 1006, Oaza-Kadoma, Kadoma-shi, Osaka 571-8501, (JP), (Applicant designated States: all)
INVENTOR:
MIYAZAKI, Jinsei, 2-704, 7-25, Kanou, Higashiosaka-shi Osaka 578-0901, (JP)
IWANO, Kenji, 3-24-2-302, Fujinoki-dai, Nara-shi Nara 631-0044, (JP)
LEGAL REPRESENTATIVE:
Grunecker, Kinkeldey, Stockmair & Schwanhausser Anwaltssozietat (100721) , Maximilianstrasse 58, 80538 Munchen, (DE)
PATENT (CC, No, Kind, Date): EP 1193637 A1 020403 (Basic)
WO 200175764 011011
APPLICATION (CC, No, Date): EP 2000951866 000803; WO 2000JP5188 000803
PRIORITY (CC, No, Date): JP 200097301 000331
DESIGNATED STATES: AT; BE; CH; CY; DE; DK; ES; FI; FR; GB; GR; IE; IT; LI; LU; MC; NL; PT; SE
EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI
INTERNATIONAL PATENT CLASS: **G06F-019/00** ; **G06F-017/60**
ABSTRACT WORD COUNT: 163
NOTE:
Figure number on first page: 1

LANGUAGE (Publication,Procedural,Application): English; English; Japanese
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	200214	1275
SPEC A	(English)	200214	4447
Total word count - document A			5722
Total word count - document B			0
Total word count - documents A + B			5722

INTERNATIONAL PATENT CLASS: **G06F-019/00** ...

... **G06F-017/60**

...CLAIMS to said administrator terminal device via a network in the case when the measured data **transferred** from said patient terminal **device** deviate from said threshold values.

15. The **medical information system** according to claim 1, characterized in that said **server** stores at least part of **software** driving said patient terminal **device** or/and said administrator terminal device and has a function operating when said software is...

20/3,K/8 (Item 8 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS

01353073
MRI SYSTEM CENTER AND MRI SYSTEM
MRI SYSTEMZENTRUM UND MRI SYSTEM
CENTRE DE SYSTEMES D'IRM ET SYSTEME D'IRM
PATENT ASSIGNEE:
Kabushiki Kaisha Toshiba, (2077102), 1-1, Shibaura 1-chome, Minato-ku, Tokyo 105-8001, (JP), (Applicant designated States: all)
INVENTOR:
KASSAI, Yoshimori, 210, Rowaru-Heim 4-4, Shimonagata Nishinasunomachi, Nasu-gun Tochigi 329-2712, (JP)
SASAKI, Naoki, 1915-10, Usuba, Otawara-shi, Tochigi 324-0035, (JP)
LEGAL REPRESENTATIVE:
Schmidtchen, Jurgen Christian et al (86782), Blumbach, Kramer & Partner GbR Patentanwalte, Radeckestrasse 43, 81245 Munchen, (DE)
PATENT (CC, No, Kind, Date): EP 1229472 A1 020807 (Basic)
WO 200169474 010920
APPLICATION (CC, No, Date): EP 2001912300 010313; WO 2001JP1948 010313
PRIORITY (CC, No, Date): JP 200070946 000314
DESIGNATED STATES: AT; BE; CH; CY; DE; DK; ES; FI; FR; GB; GR; IE; IT; LI; LU; MC; NL; PT; SE
EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI
INTERNATIONAL PATENT CLASS: **G06F-017/60** ; A61B-005/00; A61B-005/055; G01R-033/28
ABSTRACT WORD COUNT: 115
NOTE:
Figure number on first page: 0001

LANGUAGE (Publication,Procedural,Application): English; English; Japanese
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	200232	1025
SPEC A	(English)	200232	6698
Total word count - document A			7723
Total word count - document B			0

Total word count - documents A + B 7723

INTERNATIONAL PATENT CLASS: **G06F-017/60** ...

...SPECIFICATION communication line and improving safety. The use of such a medium enables the safety of **data** to be secured from a malicious intruder into a **network** . The use state is transmitted to the **MRI system** center through a normal **electronic** communication line. In order to **download** **software** and pulse sequences from the **MRI** **system** center, a CD-ROM or a magneto-optical disk to which they are written is ...

20/3,K/9 (Item 9 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS

01323005
DIAGNOSIS SYSTEM, DIAGNOSIS APPARATUS, AND DIAGNOSIS METHOD
DIAGNOSESYSTEM, DIAGNOSEVORRICHTUNG UND DIAGNOSEVERFAHREN
SYSTEME, APPAREIL ET PROCEDE DE DIAGNOSTIC
PATENT ASSIGNEE:
Sony Corporation, (214028), 7-35, Kitashinagawa 6-chome, Shinagawa-ku, Tokyo 141-0001, (JP), (Applicant designated States: all)
INVENTOR:
NOMA, Hideki, Sony Corporation, 7-35, Kitashinagawa 6-chome, Shinagawa-ku, Tokyo 141-0001, (JP)
LEGAL REPRESENTATIVE:
Pilch, Adam John Michael (50481), D. YOUNG & CO., 21 New Fetter Lane, London EC4A 1DA, (GB)
PATENT (CC, No, Kind, Date): EP 1164486 A1 011219 (Basic)
WO 200150265 010712
APPLICATION (CC, No, Date): EP 2000985991 001228; WO 2000JP9418 001228
PRIORITY (CC, No, Date): JP 99377278 991230
DESIGNATED STATES: AT; BE; CH; CY; DE; DK; ES; FI; FR; GB; GR; IE; IT; LI; LU; MC; NL; PT; SE; TR
EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI
INTERNATIONAL PATENT CLASS: **G06F-011/22** ; **G06F-011/28**
ABSTRACT WORD COUNT: 103
NOTE:
Figure number on first page: 10

LANGUAGE (Publication,Procedural,Application): English; English; Japanese
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	200151	5474
SPEC A	(English)	200151	11257
Total word count - document A			16731
Total word count - document B			0
Total word count - documents A + B			16731

INTERNATIONAL PATENT CLASS: **G06F-011/22** ...

... **G06F-011/280**

...CLAIMS diagnostic method according to Claim 54, wherein:
said first step comprises:
a problem diagnostic program **transmitting** step of **transmitting** a problem diagnostic program which is a computer **program** to diagnose the condition of said hardware of said robot **apparatus** , to said

user of said robot **apparatus** on said **network** ;
a **data** -for- **diagnosis** acquiring step of acquiring the examination result indicating the presence or absence of a problem...

20/3,K/10 (Item 10 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS

01251828
Medical diagnostic system service connectivity method and apparatus
Verbindungsdienstverfahren und -Anlage fur medizinisches diagnostisches System
Methode et dispositif de service de connectivite pour un systeme de diagnostic medical
PATENT ASSIGNEE:
GENERAL ELECTRIC COMPANY, (203903), 1 River Road, Schenectady, NY 12345, (US), (Applicant designated States: all)
INVENTOR:
Koritzinsky, Ianne Mae Howards, 2526 West Hunter Circle, Glendale, Wisconsin 53209, (US)
Braunstein, Michael James, 1914 North Prospect Avenue No. 5, Milwaukee, Wisconsin 53202, (US)
LEGAL REPRESENTATIVE:
Goode, Ian Roy et al (31097), GE LONDON PATENT OPERATION, Essex House, 12/13 Essex Street, London WC2R 3AA, (GB)
PATENT (CC, No, Kind, Date): EP 1081627 A2 010307 (Basic)
EP 1081627 A3 011010
APPLICATION (CC, No, Date): EP 2000307194 000822;
PRIORITY (CC, No, Date): US 390016 990903
DESIGNATED STATES: DE; FR
EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI
INTERNATIONAL PATENT CLASS: **G06F-019/00**
ABSTRACT WORD COUNT: 194
NOTE:
Figure number on first page: 1

LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	200110	517
SPEC A	(English)	200110	7697
Total word count - document A			8214
Total word count - document B			0
Total word count - documents A + B			8214

INTERNATIONAL PATENT CLASS: **G06F-019/00**

...SPECIFICATION link. Such servers may be based on any known or suitable software or protocol, exchanging **data** , for example, in accordance with Point-to-Point Protocol (PPP), employing **Internet** Protocol (IP) packets, HyperText **Transfer Protocol** (HTTP), and so forth. Moreover, the **servers** of the systems and of the service facility are preferably designed to process and transfer **data** in raw or processed form, such as image data processed into a standard DICOM format...

20/3,K/11 (Item 11 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS

01118049
Method and system for processing spatially-referred information such as cartographic information, applications and apparatus implementing said method
Verfahren und System um im Raum referenzierte Informationen wie cartographische Informationen zu verarbeiten, Anwendungen und Gerat um dieses Verfahren zu implementieren
Procede et systeme pour traiter des informations referenciees dans l'espace comme des informations carthographiques, applications et dispositif pour implementer ce procede

PATENT ASSIGNEE:
Geofermat, (2817160), 10, Avenue du Quebec, 91140 Villebon sur Yvette, (FR), (Applicant designated States: all)
INVENTOR:
Popovici, Lascar, 5 rue Pierre et Marie Curie, 92160 Antony, (FR)
LEGAL REPRESENTATIVE:
Pontet, Bernard (56031), Pontet Allano & Associes s.e.l.a.r.l. 25 rue Jean-Rostand Parc Club Orsay Universite, 91893 Orsay Cedex, (FR)
PATENT (CC, No, Kind, Date): EP 978794 A1 000209 (Basic)
APPLICATION (CC, No, Date): EP 99401997 990805;
PRIORITY (CC, No, Date): FR 9810075 980805
DESIGNATED STATES: AT; BE; CH; CY; DE; DK; ES; FI; FR; GB; GR; IE; IT; LI; LU; MC; NL; PT; SE
EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI
INTERNATIONAL PATENT CLASS: **G06F-017/30**
ABSTRACT WORD COUNT: 149
NOTE:
Figure number on first page: 2

LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	200006	779
SPEC A	(English)	200006	5088
Total word count - document A			5867
Total word count - document B			0
Total word count - documents A + B			5867

INTERNATIONAL PATENT CLASS: **G06F-017/30**

...SPECIFICATION for example, in the field of computer aided drawing, for displaying graphical information collected and **transmitted** on a communication **network** like **Internet** , or in **medical imaging** systems.
The processing **system** according to the invention can be implemented as a **software** with numerous embodiments using any storage technique and language chosen in function of hardware and...

20/3,K/12 (Item 12 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS

00983195
Universally accessible healthcare devices
Gesundheitspflegeanlagen mit universeller Zuganglichkeit
Appareils de soins de sante avec acces universel
PATENT ASSIGNEE:

Hewlett-Packard Company, (206030), 3000 Hanover Street, Palo Alto, California 94304, (US), (applicant designated states: AT;BE;CH;CY;DE;DK;ES;FI;FR;GB;GR;IE;IT;LI;LU;MC;NL;PT;SE)
INVENTOR:
Frid, Marcos, 1611 Brittan Avenue, San Carlos, CA 94070, (US)
Shoup, Thomas A., 112 Garland Way, Los Altos, CA 94022, (US)
LEGAL REPRESENTATIVE:
Schoppe, Fritz, Dipl.-Ing. (55463), Schoppe & Zimmermann Patentanwalte Postfach 71 08 67, 81458 Munchen, (DE)
PATENT (CC, No, Kind, Date): EP 890919 A1 990113 (Basic)
APPLICATION (CC, No, Date): EP 98107751 980428;
PRIORITY (CC, No, Date): US 890727 970709
DESIGNATED STATES: DE; FR; GB
INTERNATIONAL PATENT CLASS: **G06F-019/00**
ABSTRACT WORD COUNT: 52
LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	9902	360
SPEC A	(English)	9902	2880
Total word count - document A			3240
Total word count - document B			0
Total word count - documents A + B			3240

INTERNATIONAL PATENT CLASS: **G06F-019/00**

...SPECIFICATION the communication network 30 that specify a predetermined Universal Resource Locator (URL) for the healthcare **device** 10. The HTTP commands are used by **web** clients such as a **web browser** 40 to read **medical information** including measurement data and optional related information from the healthcare **device** 10. The **web server** 14 packages the **medical information** into the HTML format and **transfers** the information to requesting **web** clients on the communication network 30 using the HTTP **protocol** .

In one embodiment, the communication network 30 represents world wide web communication which is enabled...

...the HTML file containing the medical information to the web browser 40 using the HTTP **protocol** . The **web browser** 40 **receives** the HTML file and renders the **medical information** contained therein on a display.

In one embodiment, the healthcare **device** 10 is a portable blood analyzer. The healthcare device 10 includes modules for measuring aspects ...

CLAIMS 1. A healthcare **device** (10), comprising:
a set of **medical information** (76);
communication path (22);
server (14) that provides access to the **medical information** (76) using an open standard **network protocol** (HTML, HTTP, URL) on the communication path (22).

2. The healthcare **device** (10) of claim 1, wherein the **server** (14) generates an HTML file that contains the **medical information** (76) and **transfers** the HTML file over the communication path (22) in response to an HTTP command received...

20/3,K/13 (Item 13 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS

Wood, Michael A., 2828-168th SE, Bothell, WA 98012, (US)
Roncalez, Pascal, 16825 NE 19th Place, Bellevue, WA 98008, (US)
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Van Dlac, Kymberly, 12823-53rd Drive SE, Everett, WA 98208, (US)
Dewar, Ian, 14012-278th Place NE, Duvall, WA 98019, (US)
Roundhill, David N., 16906-28th Drive SE, Bothell, WA 98012, (US)
Ungari, Joseph L., 8921-16th Place SE, Everett, WA 89205, (US)
LEGAL REPRESENTATIVE:
Lottin, Claudine et al (72921), Societe Civile S.P.I.D. 156, Boulevard Haussmann, 75008 Paris, (FR)
PATENT (CC, No, Kind, Date): EP 844581 A2 980527 (Basic)
EP 844581 A3 990107
APPLICATION (CC, No, Date): EP 97309385 971120;
PRIORITY (CC, No, Date): US 31591 P 961121
DESIGNATED STATES: AT; BE; CH; DE; DK; ES; FR; GB; GR; IE; IT; LI; LU; MC; NL; PT; SE
INTERNATIONAL PATENT CLASS: **G06F-019/00** ; G01S-015/00
ABSTRACT WORD COUNT: 68

LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	9822	1030
SPEC A	(English)	9822	5621
Total word count - document A			6651
Total word count - document B			0
Total word count - documents A + B			6651

INTERNATIONAL PATENT CLASS: **G06F-019/00** ...

...SPECIFICATION messages, and other kinds of information from other ultrasound systems and information sources.

European patent **application** No. 97307453.7 describes an ultrasonic **diagnostic imaging system** with an HTTP **server** which enables the **system** to be accessed and **transmit** ultrasonic images and reports over the World Wide Web, enabling a physician to consult the...or printed out on a printer (not shown), and may also be stored in the **image** and report storage medium 24.

The **ultrasound system** 10 includes a HyperText **Transfer Protocol** (HTTP) **server** 30. The HTTP **server** 30 is connected to access ultrasonic **images** and reports from the storage medium 24, and makes the system's images and reports...

...server 30 is connected by a modem 32 to access an external or local communication **network** . The **server** 30 makes the diagnostic **information** of the **ultrasound system** 10 available to users connected to access the **ultrasound system** through a communication **network** , such as the **network** shown in FIGURE 2.

The **server** 30 is connected to the modem 32 through a serial port 31. The modem 32...Internet Explorer browser available from Microsoft Corporation conveniently enable the ultrasound system operator to obtain **images** , reports, and other **information** over a local network or the World Wide **Web** of the **Internet** .

In accordance with a further aspect of the present invention, the **ultrasound system** 10 includes a simple mail **transfer protocol** (SMTP) **server** 102. The SMTP **server** 102 sends and receives **electronic** messages by way of TCP/IP 46 over a local network or the Internet through...

...the appropriate storage area of the ultrasound system, where it can be

00962974
Outpatient care data system
Pflegedatensystem fur ambulante Patienten
Systeme de donnees de soins pour patients non hospitalises
PATENT ASSIGNEE:
Unitron Medical Communications, Inc., (2508580), 13920 58th Street North, Suite 1002, Clearwater, Florida 34620, (US), (Applicant designated States: all)
INVENTOR:
Frasca, Ralph V., 3898 Wellington Parkway, Palm Harbor, Florida 34685, (US)
LEGAL REPRESENTATIVE:
W.P. Thompson & Co. (101051), Coopers Building, Church Street, Liverpool L1 3AB, (GB)
PATENT (CC, No, Kind, Date): EP 874325 A2 981028 (Basic)
EP 874325 A3 000614
APPLICATION (CC, No, Date): EP 98303205 980424;
PRIORITY (CC, No, Date): US 845318 970425
DESIGNATED STATES: AT; BE; CH; CY; DE; DK; ES; FI; FR; GB; GR; IE; IT; LI; LU; MC; NL; PT; SE
EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI
INTERNATIONAL PATENT CLASS: **G06F-019/00**
ABSTRACT WORD COUNT: 162
NOTE:
Figure number on first page: 1

LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	9844	2430
SPEC A	(English)	9844	8670
Total word count - document A			11100
Total word count - document B			0
Total word count - documents A + B			11100

INTERNATIONAL PATENT CLASS: **G06F-019/00**

...SPECIFICATION the initiation of the next telephone call.
Fig. 11 is a flowchart of a computer **program** performed by the medical **device server** 68 (Fig. 3) to automatically **transfer** outpatient **data** from the **medical device** 29 at the patient home 18 via the modem 30 to the metropolitan area data...

20/3,K/14 (Item 14 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS

00926081
Ultrasonic diagnostic imaging system with data access and communications capability
Ultraschall-Bildaufnahmesystem zur Diagnose mit Datenzugriff und Kommunikationsfahigkeit
Systeme d'imagerie ultrasonique pour le diagnostic avec acces de donnees et possibilite de communication
PATENT ASSIGNEE:
ATL Ultrasound, Inc., (2415790), 22100 Bothell Everett Highway, Bothell, Washington 98041, (US), (applicant designated states: AT;BE;CH;DE;DK;ES;FI;FR;GB;GR;IE;IT;LI;LU;MC;NL;PT;SE)
INVENTOR:

utilized by the **ultrasound system** controller to control the functioning of the system. When the operator uses the **browser** to access system preset **data** from another **ultrasound system** or **data** storage device, the steering code directs the received system preset **data** to **scan** parameter storage 82, where it is stored as custom preset data. Alternatively, the operator may...

20/3,K/15 (Item 15 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS

00913097
Ultrasonic diagnostic imaging system with universal access to diagnostic information and images
Ultraschalldiagnose-Bildsystem mit universellem Zugang zur Diagnoseinformationen und Bildern
Systeme d'images a ultrasons pour le diagnostic avec acces universel aux informations de diagnostic et images
PATENT ASSIGNEE:
Atlantis Diagnostics International, L.L.C., (2388320), 22100 Bothell Everett Highway, Bothell, Washington 98041, (US), (applicant designated states: AT;BE;CH;DE;DK;ES;FI;FR;GB;GR;IE;IT;LI;LU;MC;NL;PT;SE)
ADVANCED TECHNOLOGY LABORATORIES, INC., (477762), 22100 Bothell Everett Highway, Bothell, Washington 98041, (US), (applicant designated states: AT;BE;CH;DE;DK;ES;FI;FR;GB;GR;IE;IT;LI;LU;MC;NL;PT;SE)
INVENTOR:
Wood, Michael A., 2828 - 168th Se, Bothell, WA 98012, (US)
Roncalez, Pascal, 16825 NE 19TH Place, Bellevue, WA 98008, (US)
Pflugrath, Lauren S., 7720 - 10th Avenue NW, Seattle, WA 98117, (US)
Souquet, Jacques, 22833, Bothell Everett Highway, No.1333, Bothell, Washington 98021, (US)
LEGAL REPRESENTATIVE:
Lottin, Claudine et al (72921), Societe Civile S.P.I.D. 156, Boulevard Haussmann, 75008 Paris, (FR)
PATENT (CC, No, Kind, Date): EP 833266 A2 980401 (Basic)
EP 833266 A3 981230
APPLICATION (CC, No, Date): EP 97307453 970924;
PRIORITY (CC, No, Date): US 719360 960925
DESIGNATED STATES: AT; BE; CH; DE; DK; ES; FR; GB; GR; IE; IT; LI; LU; MC; NL; PT; SE
INTERNATIONAL PATENT CLASS: **G06F-019/00**
ABSTRACT WORD COUNT: 100

LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	9814	1496
SPEC A	(English)	9814	7462
Total word count - document A			8958
Total word count - document B			0
Total word count - documents A + B			8958

INTERNATIONAL PATENT CLASS: **G06F-019/00**
...SPECIFICATION IP as a foundation, the physician can dial into his network directly and access diagnostic **information** , without the need for **Internet** access. For users who require only specific limited access to their **ultrasound system networks** , the arrangement of FIGURE 17 provides an easy and secure means for a physician to remotely access his **ultrasound system network** and its **information** .

The **Internet** and World Wide **Web** ultrasound capabilities of the present invention, when embodied in the form of software, can be...

...CLAIMS terminal.
10. The medical diagnostic ultrasound system of Claim 9, further comprising a stored CGI **program** and accessible by said **server** .
11. A medical diagnostic ultrasound **system** which obtains and stores **diagnostic ultrasound images** or **diagnostic** reports, said **system** comprising:
a connection to a **network** ; and
means for **transmitting Web** data over said **network** which provides access to **ultrasound images** or reports stored by said ultrasonic diagnostic **system** , whereby ultrasound images or reports stored on said system are remotely accessible over said network...

...remote terminal;
server software installed on said ultrasound system and in communication with said network **software** ;
HTML page **software** stored on said **system** ; and
a CGI **program** accessible by said **server software** and accessing **diagnostic ultrasound** images or **diagnostic** reports of said ultrasound **system** for **transmission** by said **server software** to said remote terminal.
29. The medical diagnostic ultrasound **system** of Claim 28, wherein said network **software** comprises TCP/ IP **software** .
30. The medical diagnostic ultrasound system of Claim 29, wherein said **network software** further comprises PPP **software** .
31. The medical **diagnostic ultrasound system** of Claim 28, wherein said HTML page **software** is accessible by said **server software** for **transmission** of an **ultrasound image** or **diagnostic** report to a remote terminal.
32. The medical diagnostic ultrasound **system** of Claim 4, 9, 13, 23 or 31, wherein said HTML page further comprises a...

20/3,K/16 (Item 16 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS

00241997
Medical information system.
System fur medizinische Information.
Systeme d'information medicale.
PATENT ASSIGNEE:
AT&T Corp., (589370), 32 Avenue of the Americas, New York, NY 10013-2412, (US), (applicant designated states: BE;DE;FR;GB;IT;NL;SE)
INVENTOR:
Beck, Roger Paul, 110 Canterberry Lane, Reynoldsburg Ohio 43068, (US)
Castagno, Daniel Louis, 9946 Alliston, Pickerington Ohio 43147, (US)
Craig, Robert Bruce Jr., 1211 Laurel Drive, Westerville,Ohio 43081, (US)
Davidheiser, Timothy Scott, 7048 Roundelay Road, Reynoldsburg, Ohio 43068, (US)
Haley, Allen Woodward, Jr., 4115 Red Coat Lane, Gahanna, Ohio 43230, (US)
Huff, Stanley Mark, 1027 E.College Ave., Westerville, Ohio 43081, (US)
Radigan, Russell Paul, 5963 Smaller Road, Johnstown, Ohio 43031, (US)
LEGAL REPRESENTATIVE:
Blumbach, Kramer & Partner (101301), Patentanwalte Sonnenberger Strasse 100, D-65193 Wiesbaden, (DE)
PATENT (CC, No, Kind, Date): EP 246493 A2 871125 (Basic)
EP 246493 A3 901219

EP 246493 B1 941207
APPLICATION (CC, No, Date): EP 87106574 870506;
PRIORITY (CC, No, Date): US 862094 860512
DESIGNATED STATES: BE; DE; FR; GB; IT; NL; SE
INTERNATIONAL PATENT CLASS: **G06F-015/42** ; **G06F-015/40**
ABSTRACT WORD COUNT: 106

LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	EPBBF1	819
CLAIMS B	(English)	EPBBF1	556
CLAIMS B	(German)	EPBBF1	454
CLAIMS B	(French)	EPBBF1	639
SPEC A	(English)	EPBBF1	3301
SPEC B	(English)	EPBBF1	3464
Total word count - document A			4120
Total word count - document B			5113
Total word count - documents A + B			9233

INTERNATIONAL PATENT CLASS: **G06F-015/42** ...
... **G06F-015/40**

...SPECIFICATION 100221, at predetermined intervals of time. Newly recorded record and medical data are formatted by **applications software** 10018 into record and **medical data** messages that are **transmitted** , via **network** interface 10017 and message **network** 19, FIG. 1, to each of the **medical information system** computer terminals.
When the **transmitted** record and medical data is **received** at a computer terminal, for example in-patient clinic computer terminal 101, via network interface...

...SPECIFICATION 100221, at predetermined intervals of time. Newly recorded record and medical data are formatted by **applications software** 10018 into record and **medical data** messages that are **transmitted** , via **network** interface 10017 and message **network** 19, FIG. 1, to each of the **medical information system** computer terminals.
When the **transmitted** record and medical data is **received** at a computer terminal, for example in-patient clinic computer terminal 101, via network interface...

20/3,K/17 (Item 17 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS

00217674
System and method for controlling network bus communications for tightly coupled information among distributed programmable controllers.
System und Verfahren zur Busubertragungssteuerung fur eng gekoppelte Nachrichten zwischen verteilten programmierbaren Steuergeraten.
Systeme et methode pour commander les communications par bus d'informations a couplage rigide entre des appareils de commande programmables distribues.
PATENT ASSIGNEE:
SIEMENS AKTIENGESELLSCHAFT, (200520), Wittelsbacherplatz 2, D-80312 Munchen, (DE), (applicant designated states: DE;FR;GB;IT;NL;SE)
INVENTOR:
Fulton, Temple L., 1508 Stateline Road, Elizabethton TN 37643, (US)
Perkins, William O., Route 8, Box 141, Johnson City TN 37601, (US)

LEGAL REPRESENTATIVE:
Abbott, David John et al (27491), Abel & Imray Northumberland House
303-306 High Holborn, London, WC1V 7LH, (GB)
PATENT (CC, No, Kind, Date): EP 200365 A2 861105 (Basic)
EP 200365 A3 890628
EP 200365 B1 930922
APPLICATION (CC, No, Date): EP 86302360 860327;
PRIORITY (CC, No, Date): US 719174 850403
DESIGNATED STATES: DE; FR; GB; IT; NL; SE
INTERNATIONAL PATENT CLASS: **G06F-013/366** ; G05B-019/05
ABSTRACT WORD COUNT: 213

LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS B	(English)	EPBBF1	3528
CLAIMS B	(German)	EPBBF1	1643
CLAIMS B	(French)	EPBBF1	2203
SPEC B	(English)	EPBBF1	9204
Total word count - document A			0
Total word count - document B			16578
Total word count - documents A + B			16578

INTERNATIONAL PATENT CLASS: **G06F-013/366** ...

...SPECIFICATION devices are interspersed between the processors and the redundant cables to permit reconfiguration of the **network** in the event of malfunctioning or severing of a cable. The node **devices provide** **diagnostic** and recovery procedures. One of the node devices **is** selected to act as bus controller sampling the remaining node devices and determining the priority...

20/3,K/18 (Item 1 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT

00966583 **Image available**
REMOTE MEDICAL DEVICE ACCESS
ACCES A DES DISPOSITIFS MEDICAUX A DISTANCE
Patent Applicant/Assignee:
ROCHE DIAGNOSTICS GMBH, Sandhofer Strasse 116, 68305 Manheim, DE, DE (Residence), DE (Nationality), (Designated only for: DE)
F-HOFFMANN-LA ROCHE AG, Grenzacherstrasse 124, CH-4070 Basel, CH, CH (Residence), CH (Nationality), (For all designated states except: DE)
Inventor(s):
BECK Timothy L, 8786 Surrey Drive, Pendleton, IN 46064, US,
YOUNG Morris J, 9426 Knights Bridge Boulevard, Apt. B, Indianapolis, IN 46240, US,
PEYTON Ronald W, 5265 North Washington Blvd., Indianapolis, IN 46220, US,
MEEK Robert, 10009 Meadowlark Manor, Indianapolis, IN 46235, US,
Patent and Priority Information (Country, Number, Date):
Patent: WO 2002100262 A1 20021219 (WO 02100262)
Application: WO 2002EP5585 20020522 (PCT/WO EP0205585)
Priority Application: US 2001866260 20010525
Designated States: CA JP
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR
Publication Language: English
Filing Language: English
Fulltext Word Count: 14747

...International Patent Class: **G06F-019/00**
Fulltext Availability:
Detailed Description
Claims

Detailed Description
... processor is further adapted to execute the plurality of instructions to cause the processor to **receive** measurement **data** from the **medical device** via the **network** - interface in response to the second computing **device** commuiiicating with medical 1device via the **protocol** component identified by the **protocol** component information.

Objects, features, and advantages as well as further embodiments will become apparent from...each protocol component 204 in the exemplary embodiment is adapted to configure the client computing **devices** 120 to send **medical** device configuration **information** , **medical** device version **information** , **medical** device setup **information** , and **medical** device measurement **data** to the **server** computing **device** 1 1 0. In addition, each protocol component 204 is adapted to configure the client computing **devices** 120 to send updated configuration information or setup **information** to the **medical device** 130.

3
The **server** computing **device** I IO is adapted to detect, over the network 1 5 0, medical devices 130...120 to execute in order to communicate with the medical device 130.

As result of **receiving** the **protocol** component **information** from the **server**0 computing device I IO, the client computing device 120 in

Claim
... 21, farther comprising the step of:
receiving a device identification component via which the identification **information** is obtained.

28 A method of providing a computing device with access to a **medical device** , the method comprising the steps of. establishing communication with the computing device via a **network** address
associated with the **medical device** ;
receiving protocol0 component **information** from the computing device which
identifies the protocol component to communicate with the medical device ...the second computing device via the network. the protocol component selected from the plurality of **protocol** components.

36 Thefirstcomputingdeviceofclaim35,wl-iereinthetransportagentisfurther operable to **receive** measurement **data** from the **medical device** via the **network** in response to the second computing **device** communicating with medical **device** via the **protocol** component.

37 ...The first computing device of claim 35, wherein the transport agent is further adapted to **receive** measurement **data** from the **medical device** via the **network** in response to the second computing **device** communicating with **medical device** via the **protocol** component, to **receive** authentication **information** from the second computing device via the **network** , and to store the measurement **data** in the storage device such that the measurement **data** and any previously received measurement data may be received from the storage device based upon...of protocol components for the second computing device to use to

communicate with
the medical **device** , and
3 1
to **receive** measurement **data** from the **medical device** via the **network** interface in response to the second computing **device** communicating with medical **device** via the **protocol** component identified by the **protocol** component information.

42 The first computing device of claim 41, wherein the plurality of instructions...of instructions to Cause the processor
to provide to the second computing device via the **network** interface identification **information** from which a protocol component for use with the **medical**
device is determined;
to **receive** the **protocol** component from the second computing device via the **network** interface in response to providing the second computing device with the
identification **information** ;
to execute instructions of the protocol component to obtain measurement **data**
from the **medical device** via the **medical device** interface; and
transfer to the second computing device via the **network** interface, the measurement **data** obtained from the **medical device** .

48 The first computing device of claim 47, wherein the plurality of instructions,
when executed...wherein the transport component is ftirther adapted to communicate with the medical device via the **protocol** component, to **transfer data** obtained from the **medical device** to the second computing device via the **network** measurement, to provide authentication **information** to the second computing device via the network, and to receive results data from the...the markup language format, wherein the transport component is ffirther adapted to communicate with the **medical** **device** via the **protocol** component, **transfer** to the second computing device via the **network** measurement **data** obtained from the **medical** **device** , provide authentication **information** to the second computing device via the **network** , receive fi-om the second computing device via the network results **data** in a markup language format that is based upon the measurement data ...execute the plurality of instructions of the mernory to cause the
processor
to provide identification **information** to the second computing device via the **network** interface from which a protocol component for communicating with the
medical device is determined,
to **receive protocol** component **information** from the second computing device via the **network** interface which identifies the protocol component that should be used
to communicate with the **medical device** ,
determine whether the storage device includes the protocol component identified by the protocol component **information** , and
obtain the protocol component from the second computing device via the network

20/3,K/19 (Item 2 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT

00965614 **Image available**
SYSTEM FOR ENABLING THE RECONSIDERATION OF A MEDICAL STUDY BASED ON THE ARRIVAL OF NEW INFORMATION
SYSTEME PERMETTANT LE REEXAMEN D'UNE ETUDE MEDICALE SUR LA BASE DE LA RECEPTION D'UNE NOUVELLE INFORMATION
Patent Applicant/Assignee:
KONINKLIJKE PHILIPS ELECTRONICS N V, Groenewoudseweg 1, NL-5621 BA Eindhoven, NL, NL (Residence), NL (Nationality)
Inventor(s):
COLLAMORE Brian, Prof. Holstlaan 6, NL-5656 AA Eindhoven, NL,
KANG Uan S, Prof. Holstlaan 6, NL-5656 AA Eindhoven, NL,
LUSZCZ Joseph M, Prof. Holstlaan 6, NL-5656 AA Eindhoven, NL,
Legal Representative:
LOTTIN Claudine (agent), Internationaal Octrooibureau B.V., Prof. Holstlaan 6, NL-5656 AA Eindhoven, NL,
Patent and Priority Information (Country, Number, Date):
Patent: WO 200299722 A1 20021212 (WO 0299722)
Application: WO 2002IB2022 20020604 (PCT/WO IB0202022)
Priority Application: US 2001876690 20010607
Designated States: CN JP
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR
Publication Language: English
Filing Language: English
Fulltext Word Count: 7744

Main International Patent Class: **G06F-019/00**
Fulltext Availability:
Detailed Description

Detailed Description
... 1 14 using, for example, the DICOM communication standard mentioned above. Alternatively, other proprietary communication **protocols** may be used to **transfer** information over the **network** 1 14.

In the currently contemplated best mode, the **medical information** management **system** is implemented in **software** and executed by a special or general purpose computer, such as

20/3,K/20 (Item 3 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT

00956983 **Image available**
SYSTEM AND METHOD FOR ELECTRONIC MEDICAL FILE MANAGEMENT
SYSTEME ET PROCEDE DE GESTION DE FICHIERS MEDICAUX ELECTRONIQUES
Patent Applicant/Assignee:
HEALTHCARE VISION INC, 2601 Scott Avenue, Suite 600, Fort Worth, TX 76103, US, US (Residence), US (Nationality), (For all designated states except: US)
Patent Applicant/Inventor:
AKERS William Rex, 3305 Scarborough Lane Court, Colleyville, TX 76034, US, US (Residence), US (Nationality), (Designated only for: US)
CANTERBURY Jeff W, 8412 Palo Duro Court, Fort Worth, TX 76116, US, US (Residence), US (Nationality), (Designated only for: US)
HALE Kevin P, 3152 Tex Boulevard, Fort Worth, TX 76116, US, US (Residence), US (Nationality), (Designated only for: US)
MILLER Blake B, 12900 Noyes Lane, Austin, TX 78732, US, US (Residence), US (Nationality), (Designated only for: US)
WALKER Craig Alan, 4522 Avenue C, Austin, TX 78751, US, US (Residence),

US (Nationality), (Designated only for: US)
GRAVES Jerry L, 1120 Forest Creek, Benbrook, TX 76126, US, US (Residence), US (Nationality), (Designated only for: US)
PATTERSON Jay Travis, 1805 Pitcarin Lane #135, Arlington, TX 76015, US, US (Residence), US (Nationality), (Designated only for: US)
NORMYLE Robert J, 1007 Saddlebrook Drive, Colleyville, TX 76034, US, US (Residence), US (Nationality), (Designated only for: US)
WATTS Brandon T, 7356 Pineridge Drive, Park City, UT 84098, US, US (Residence), US (Nationality), (Designated only for: US)
RAU Karen D, 10020 S. Rachel Rd. SW, Farwell, MN 56327, US, US (Residence), US (Nationality), (Designated only for: US)
KING James R, 207 Vineyard, Waxahachie, TX 75167, US, US (Residence), US (Nationality), (Designated only for: US)
Legal Representative:
ROURK Christopher J (agent), Akin, Gump, Strauss, Hauer & Feld, LLP, Suite 4100, 1700 Pacific Avenue, Dallas, TX 75201-4675, US,
Patent and Priority Information (Country, Number, Date):
Patent: WO 200291129 A2 20021114 (WO 0291129)
Application: WO 2002US14682 20020508 (PCT/WO US0214682)
Priority Application: US 2001851745 20010509
Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ OM PH PL PT RO RU SD SE SG SI SK SL TJ TM TN TR TT TZ UA UG US UZ VN YU ZA ZM ZW
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR
(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW
(EA) AM AZ BY KG KZ MD RU TJ TM
Publication Language: English
Filing Language: English
Fulltext Word Count: 9698

Main International Patent Class: **G06F**
Fulltext Availability:
Detailed Description

Detailed Description
... is provided, so as to provide for patient file integrity and continuity in a telemedicine **system** . The **system** includes a record **server** that has a **medical** record **data** file for each patient, such as a File **Transfer Protocol** (FTP) server, wherein each patient's medical record data file holds medical record data for...

20/3,K/21 (Item 4 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
(c) 2003 WIPO/Univentio. All rts. reserv.

00954823 **Image available**
A SYSTEM AND METHOD FOR MANAGING INVENTORY OF BLOOD COMPONENT COLLECTION
SYSTEME ET PROCEDE PERMETTANT DE GERER L'INVENTAIRE D'UN PRELEVEMENT DE COMPOSANTS SANGUINS
Patent Applicant/Assignee:
BAXTER INTERNATIONAL INC, One Baxter Parkway, Deerfield, IL 60015, US, US (Residence), US (Nationality)
Inventor(s):
NG Kok-Hwee, N6855 Sugar Creek Ct., Elkhorn, WI 53121, US,
FORD Ian, 544 A Mulberry SE, Albuquerque, NM 87106, US,
CONLEY Alfons, 1902 Brummel Street, Evanston, IL 60202, US,
MARCH Edward, 658 Park Drive, Barrington, IL 60010, US,

FREDERICKS Chris N, 147 Sunnyside Place, Libertyville, IL 60048, US,
PETERSON Grant A, 2041 W. Farwell, Chicago, IL 60645, US,
Legal Representative:
PRICE Bradford R L (et al) (agent), Baxter Healthcare Corporation, Route 120 & Wilson Road, Round Lake, IL 60073, US,
Patent and Priority Information (Country, Number, Date):
Patent: WO 200288930 A1 20021107 (WO 0288930)
Application: WO 2002US13620 20020429 (PCT/WO US0213620)
Priority Application: US 2001287122 20010428; US 2001865196 20010524
Designated States: AU CA CN IN JP
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR
Publication Language: English
Filing Language: English
Fulltext Word Count: 31461

Main International Patent Class: **G06F-007/00**
Fulltext Availability:
Detailed Description

Detailed Description
... communication network that specify a 1 5 predetermined Universal Resource Locator (URL) for the healthcare **device** . The HTTP commands are used by **web** clients such as a **web** **br**owser to read **medical** **information** including measurement data and optional related information from the healthcare **device** . The **web** **server** packages the **medical** **information** into the HTML fonnat and **transfers** the information to requesting **web** clients on the communication. network using the HTTP **protocol** .

U.S. Patent No. 5,891,035 (Wood et al.) is directed to an ultrasonic...

20/3,K/22 (Item 5 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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00954796 **Image available**
A SYSTEM AND METHOD FOR MANAGING INVENTORY OF BLOOD COMPONENT COLLECTION SOFT GOODS AND FOR PREVENTING THE USE OF QUARANTINED SOFT GOODS
SYSTEME ET PROCEDE PERMETTANT, D'UNE PART, DE GERER L'INVENTAIRE DE BIENS NON DURABLES PROVENANT D'UN PRELEVEMENT DE COMPOSANTS SANGUINS ET, D'AUTRE PART, D'EMPECHER L'UTILISATION DE BIENS NON DURABLES MIS EN QUARANTAINE
Patent Applicant/Assignee:
BAXTER INTERNATIONAL INC, One Baxter Parkway, Deerfield, IL 60015, US, US (Residence), US (Nationality)
Inventor(s):
NG Kok-Hwee, N6855 Sugar Creek Ct., Elkhorn, WI 53121, US,
PETERSON Grant A, 2041 W. Farwell, Chicago, IL 60645, US,
FORD Ian, 544 A Mulberry SE, Albuquerque, NM 87106, US,
FREDRICKS Chris Noel, 147 Sunnyside Place, Libertyville, IL 60048, US,
Legal Representative:
PRICE Bradford R L (et al) (agent), Baxter Healthcare Corporation, Route 120 & Wilson Road, Round Lake, IL 60073, US,
Patent and Priority Information (Country, Number, Date):
Patent: WO 200288898 A2 20021107 (WO 0288898)
Application: WO 2002US13622 20020429 (PCT/WO US0213622)
Priority Application: US 2001287122 20010428; US 2001864891 20010524
Designated States: AU CA CN IN JP
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

Publication Language: English
Filing Language: English
Fulltext Word Count: 30827

Main International Patent Class: **G06F**
Fulltext Availability:
Detailed Description

Detailed Description
... via the communication network that specify a predetermined Universal Resource Locator (URL) for the healthcare **device** . The HTTP commands are used by **web** clients such as a **web** **browser** to react **medical** **information** including measurement 5 data and optional related information from the healthcare **device** . The **web** **server** packages the **medical** **information** into the HTML format and **transfers** the information to requesting **web** clients on the communication network using the HTTP **protocol** .

U.S. Patent No. 5,891,035 (Wood et al.) is directed to an ultrasonic...

20/3,K/23 (Item 6 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT

00954795 **Image available**
A SYSTEM AND METHOD FOR MANAGING A PROCEDURE IN A BLOOD COMPONENT COLLECTION FACILITY
SYSTEME ET PROCEDE PERMETTANT DE GERER UN PROCESSUS DANS UN MECANISME DE PRELEVEMENT DE COMPOSANTS SANGUINS
Patent Applicant/Assignee:
BAXTER INTERNATIONAL INC, One Baxter Parkway, Deerfield, IL 60015, US, US (Residence), US (Nationality)
Inventor(s):
NG Kok-Hwee, N 6855 Sugar Creek Ct., Elkhorn, WI 53121, US,
PETERSON Grant Alexander, 2041 W. Farwell, Chicago, IL 60645, US,
FORD Ian, 544-A Mulberry SE, Albuquerque, NM 87106, US,
FREDERICKS Chris Noel, 147 Sunnyside Place, Libertyville, IL 60048, US,
Legal Representative:
PRICE Bradford R L (et al) (agent), Baxter Healthcare Corporation, (RLP-30), Round Lake, IL 60073, US,
Patent and Priority Information (Country, Number, Date):
Patent: WO 200288897 A2 20021107 (WO 0288897)
Application: WO 2002US13621 20020429 (PCT/WO US0213621)
Priority Application: US 2001287122 20010428; US 2001864926 20010524
Designated States: AU BR CA CN IN JP
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR
Publication Language: English
Filing Language: English
Fulltext Word Count: 31036

Main International Patent Class: **G06F**
Fulltext Availability:
Detailed Description

Detailed Description
... via the communication network that specify a predetermined Universal Resource Locator (URL) for the healthcare **device** . The HTTP commands are used by **web** clients such as a **web** **browser** to read **medical** **information** including measurement 1 5 data and optional related

information from the healthcare **device** . The **web server** packages the **medical information** into the HTML format and **transfers** the information to requesting **web** clients on the communication network using the HTTP **protocol** .

U.S. Patent No. 5,891,035 (Wood et al.) is directed to an ultrasonic...

20/3,K/24 (Item 7 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
(c) 2003 WIPO/Univentio. All rts. reserv.

00948162 **Image available**
A REMOTE BAGGAGE SCREENING SYSTEM, SOFTWARE AND METHOD
SYSTEME, LOGICIEL ET PROCEDE DE FILTRAGE A DISTANCE DE BAGAGES
Patent Applicant/Assignee:
PERKINELMER DETECTION SYSTEMS, 10E Commerce Way, Woburn, MA 01801, US, US (Residence), US (Nationality)
Inventor(s):
MCCLELLAND Keith M, 110 Brookline Street, Needham, MA 02492, US,
DAWSON Craig, 4 Cottage Street, Shirley, MA 01464, US,
HUANG Ying, 12A Shore Drive, Peabody, MA 01960, US,
WHITSON Andrea L, 38 Spring Park Avenue, No. 1, Jamaica Plain, MA 02130, US,
Legal Representative:
PRITZKER Randy J (agent), Wolf, Greenfield & Sacks, P.C., 600 Atlantic Avenue, Boston, MA 02110, US,
Patent and Priority Information (Country, Number, Date):
Patent: WO 200282306 A1 20021017 (WO 0282306)
Application: WO 2002US10111 20020403 (PCT/WO US0210111)
Priority Application: US 2001281068 20010403
Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ OM PH PL PT RO RU SD SE SG SI SK SL TJ TM TN TR TT TZ UA UG UZ VN YU ZA ZW
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR
(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW
(EA) AM AZ BY KG KZ MD RU TJ TM
Publication Language: English
Filing Language: English
Fulltext Word Count: 12512

Main International Patent Class: **G06F-017/00**
Fulltext Availability:
Detailed Description

Detailed Description
... database interface, to access the database 412. The database 412 may employ any commercially available **program** , and may store the **X - ray images** and other passenger and **system** operation information. When the **browser** and the remote access server are operating on the same computing **machine** , there may be no need for a secure **transmission protocol** . However, when the browser is operating on a remote operator interface 406, it may be...

20/3,K/25 (Item 8 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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00948147 **Image available**
A REMOTE BAGGAGE SCREENING SYSTEM, SOFTWARE AND METHOD
SYSTEME, LOGICIEL ET PROCEDE DE FITLRAGE A DISTANCE DE BAGAGES

Patent Applicant/Assignee:
L-3 COMMUNICATIONS SECURITY & DETECTION SYSTEMS, 10E Commerce Way, Woburn, MA 01801, US, US (Residence), US (Nationality)
Inventor(s):
MCCLELLAND Keith M, 110 Brookline Street, Needham, MA 02492, US,
DAWSON Craig, 4 Cottage Street, Shirley, MA 01464, US,
HUANG Ying, 12A Shore Drive, Peabody, MA 01960, US,
WHITSON Andrea L, 38 Spring Park Avenue, No. 1, Jamaica Plain, MA 02130, US,
Legal Representative:
PRITZKER Randy J (agent), Wolf, Greenfield & Sacks, P.C., 600 Atlantic Avenue, Boston, MA 02110, US,
Patent and Priority Information (Country, Number, Date):
Patent: WO 200282290 A1 20021017 (WO 0282290)
Application: WO 2002US10231 20020403 (PCT/WO US0210231)
Priority Application: US 2001281068 20010403
Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ OM PH PL PT RO RU SD SE SG SI SK SL TJ TM TN TR TT TZ UA UG UZ VN YU ZA ZW
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR
(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW
(EA) AM AZ BY KG KZ MD RU TJ TM
Publication Language: English
Filing Language: English
Fulltext Word Count: 13960

Main International Patent Class: **G06F-015/16**
Fulltext Availability:
Detailed Description

Detailed Description
... database interface, to access the database 412. The database 412 may employ any commercially available **program** , and may store the **X - ray images** and other passenger and **system** operation infonnation. When the **browser** and the remote access server are operating on the same computing **machine** , there may be no need for a secure **transmission protocol** . However, when the browser is operating on a remote operator interface 406, it may be...

20/3,K/26 (Item 9 from file: 349)

00941976 **Image available**
ADDING ELECTRONIC SIGNATURE TO A REPORT ASSOCIATED WITH AN IMAGE FILE
SYSTEME PERMETTANT D'AJOUTER UNE SIGNATURE ELECTRONIQUE A UN RAPPORT ASSOCIE A UN FICHIER IMAGE

Patent Applicant/Assignee:
KONINKLIJKE PHILIPS ELECTRONICS N V, Groenewoudseweg 1, NL-5621 BA Eindhoven, NL, NL (Residence), NL (Nationality)
Inventor(s):
COLLAMORE Brian, Prof. Holstlaan 6, NL-5656 AA Eindhoven, NL,
ARLING Robert S, Prof. Holstlaan 6, NL-5656 AA Eindhoven, NL,

Legal Representative:
COHEN Julius S (agent), Internationaal Octrooibureau B.V., Prof. Holstlaan 6, NL-5656 AA Eindhoven, NL,
Patent and Priority Information (Country, Number, Date):
Patent: WO 200276084 A2-A3 20020926 (WO 0276084)
Application: WO 2002IB808 20020319 (PCT/WO IB0200808)
Priority Application: US 2001812466 20010320
Designated States: JP
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR
Publication Language: English
Filing Language: English
Fulltext Word Count: 5331

International Patent Class: **G06F-017/30**
Fulltext Availability:
Detailed Description

Detailed Description
... hnaging and Communications in Medicine (DICOM). DICOM can be used as the communication model for **transferring** the **ultrasound data** across the **network** 114.

In the currently contemplated best mode, the image management **system** is implemented in **software** and executed by a special or general purpose computer, such as a personal computer (PC...

20/3,K/27 (Item 10 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT

00941566 **Image available**
SYSTEM FOR MANAGING MEDICAL INSURANCE USING INFORMATION COMMUNICATION NETWORK
SYSTEME DE GESTION D'ASSURANCE MALADIE FAISANT APPEL A UN RESEAU DE COMMUNICATION D'INFORMATIONS
Patent Applicant/Assignee:
SEO-O TELECOM CO LTD, 60-16, Seokchon-Dong, Songpa-Gu, Seoul 138-190, KR, KR (Residence), KR (Nationality), (For all designated states except: US)
Patent Applicant/Inventor:
KIM Seong-Soo, 108-207, Semteo Maeul Apt., 718, Ilwonbon-Dong, Gangnam-Gu, Seoul 135-942, KR, KR (Residence), KR (Nationality), (Designated only for: US)
KANG Byung-Gu, 907-1405, Gayang Apt., 1490, Gayang-Dong, Gangseo-Gu, Seoul 157-200, KR, KR (Residence), KR (Nationality), (Designated only for: US)
Legal Representative:
HAN YANG PATENT FIRM (agent), 10th Floor, Dacom Building, 706-1 Yeoksam-Dong, Gangnam-Gu, Seoul 135-987, KR,
Patent and Priority Information (Country, Number, Date):
Patent: WO 200275627 A1 20020926 (WO 0275627)
Application: WO 2002KR151 20020201 (PCT/WO KR0200151)
Priority Application: KR 20015039 20010202; KR 200124584 20010507
Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ OM PH PL PT RO RU SD SE SG SI SK SL TJ TM TN TR TT TZ UA UG US UZ VN YU ZA ZM ZW
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR
(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW
(EA) AM AZ BY KG KZ MD RU TJ TM
Publication Language: English
Filing Language: Korean
Fulltext Word Count: 10788

Main International Patent Class: **G06F-017/60**
Fulltext Availability:
Detailed Description

Detailed Description
... flash memory disc 8, hard disc drive 10
and network interface card 11 having a **LAN** card. The medical institution
regional terminal 4 is embedded with an exclusive **web browser program** that allows **transmission** and reception of **internet web information data** under the
window or Linux operating system and **on - line** software program that allow
inquiry and record of medical treatment details and transmission of **information** , thereby making it possible to make an on-line internet access by using the smart...

20/3,K/28 (Item 11 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT

00935977
NETWORK MONITORING SYSTEMS FOR MEDICAL DEVICES
SYSTEMES DE SURVEILLANCE EN RESEAU POUR DISPOSITIFS MEDICAUX
Patent Applicant/Assignee:
CARDIOPULMONARY CORPORATION, 200 Cascade Boulevard, Milford, CT 06460, US , US (Residence), US (Nationality)
Inventor(s):
BIONDI James W, 1601 Ridge Road, North Haven, CT 06473, US,
FAND Aaron, 153 Laurel Terrace, Cheshire, CT 06410, US,
Legal Representative:
MOORE Ronda P (agent), Testa, Hurwitz & Thibeault, LLP, High Street Tower, 125 High Street, Boston, MA 02110, US,
Patent and Priority Information (Country, Number, Date):
Patent: WO 200269181 A2 20020906 (WO 0269181)
Application: WO 2002US4515 20020219 (PCT/WO US0204515)
Priority Application: US 2001791334 20010223
Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ OM PH PL PT RO RU SD SE SG SI SK SL TJ TM TN TR TT TZ UA UG UZ VN YU ZA ZM ZW
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR
(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW
(EA) AM AZ BY KG KZ MD RU TJ TM
Publication Language: English
Filing Language: English
Fulltext Word Count: 6734

Main International Patent Class: **G06F-017/00**
Fulltext Availability:
Detailed Description

Detailed Description
... 20 is conriected, via an RS232 serial port, to a network access point 26. The **network** access point 26 converts the serial RS232 **data** available from the **medical device** 20 to a TCP/IP **protocol** for **transmission** over the **network** 30. In one embodiment, the **network** access device 26 converts the serial **data** to Ethernet **data** and sends the Ethernet **data** , to an Ethernet hub for transmission to I 0 the server 36.

In another embodiment...

20/3,K/29 (Item 12 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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00917761 **Image available**
PROGRAMMING SYSTEM FOR MEDICAL DEVICES, A SERVER FOR SUCH A SYSTEM AND A METHOD FOR MANAGING THE SYSTEM
SYSTEME DE PROGRAMMATION DE DISPOSITIFS MEDICAUX, SERVEUR D'UN TEL SYSTEME ET PROCEDE PERMETTANT DE GERER CE SYSTEME
Patent Applicant/Assignee:
ST JUDE MEDICAL AB, S-175 84 Jarfalla, SE, SE (Residence), SE (Nationality), (For all designated states except: US)
Patent Applicant/Inventor:
SAMUELSSON Eric, Frihetsvagen 47, S-177 53 Jarfalla, SE, SE (Residence), SE (Nationality), (Designated only for: US)
Legal Representative:
ST JUDE MEDICAL AB (commercial rep.), Patent Dept., S-175 84 Jarfalla, SE
,
Patent and Priority Information (Country, Number, Date):
Patent: WO 200251500 A1 20020704 (WO 0251500)
Application: WO 2001SE2822 20011218 (PCT/WO SE0102822)
Priority Application: SE 20004843 20001222
Designated States: US
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR
Publication Language: English
Filing Language: English
Fulltext Word Count: 3827

International Patent Class: **G06F-019/00**
Fulltext Availability:
Detailed Description
Claims

Detailed Description
... a preferred embodiment, the implantable medical device includes a hardware platform and an installed operating **software** module, wherein the first **machine** readable code module is arranged to read and **transmit** to the **server information** identifying said **medical device** , said installed **software** and possibly said hardware platform. By separately identifying the device and the device operating software... device and a remote server, wherein the programmer is adapted to communicate with the remote **server** through a **network** . The method includes the steps of- interrogating the **medical device** using the programmer to obtain device identifying **information** , transmitting the device identifying **information**
and **information** identifying the programmer to the **server** , **downloading**
operating **software** for said programmer and/or said **medical device**

to the
programmer for installation on the programmer and/or the device on the basis...

Claim
... characterised in that said
implantable medical device includes a hardware platform and an installed operating **software** module, wherein said first **machine** readable code module is arranged to read and **transmit** to said **server** **information** identifying said **medical** **device** , said installed **software** and
possibly said hardware platform.

4 A **system** as claimed in any previous claim, characterised in that said **programmer** includes a hardware platform and an installed programming software module, wherein said first machine readable...

...claim, characterised in that said
implantable medical device is a cardiac stimulating device.

6 A **server** for communicating with programmers (20) of implantable **medical** **devices** (10) through a **network** (40), characterised in that said
1 5 **server** (30) includes storage means (31, 32) for storing identifying **information** associated with implantable **medical** **devices** , programmers
and software modules for operation of said medical devices and programmers, said server further...

...and a remote server (30), wherein said programmer is
adapted to communicate with said remote **server** through a **network** (40) said method including the steps of
interrogating said **medical** **device** using said programmer to obtain device identifying **information** ,
transmitting said device identifying **information** and **information** identifying said programmer to said **server** ,
downloading operating **software** to said progranuner for installation on
said programmer on the basis of said identifying **information** .

9 A method as claimed in claim 8, further including the step of downloading operating...

...any one of claims 8 to 1 0, characterised by the
steps of
in said **server** , determining a required operating software module for said programmer (20) and /or said implanted **medical** **device** (10), comparing identifying **information** of said required software module with said transmitted software identifying **information** and
downloading said required software if the transmitted software identifying information is not the same...

20/3,K/30 (Item 13 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT

00907017 **Image available**
ONLINE DIAGNOSING OF COMPUTER HARDWARE AND SOFTWARE
DIAGNOSTIC EN LIGNE POUR MATERIELS INFORMATIQUES ET LOGICIELS

Patent Applicant/Assignee:
DMO INC, 3401 Industrial Lane, Unit E, Broomfield, CO 80020, US, US (Residence), US (Nationality), (For all designated states except: US)
Patent Applicant/Inventor:
WING Robert, 1540 Ford Court, Louisville, CO 80027, US, US (Residence), US (Nationality), (Designated only for: US)
LAWTON Harvey, 8620 West 93rd Place, Westminster, CO 80021, US, US (Residence), US (Nationality), (Designated only for: US)
Legal Representative:
KNEPPER Bradley M (et al) (agent), Sheridan Ross P.C., 1560 Broadway, Suite 1200, Denver, CO 80202-5141, US,
Patent and Priority Information (Country, Number, Date):
Patent: WO 200241105 A2-A3 20020523 (WO 0241105)
Application: WO 2001US43538 20011115 (PCT/WO US0143538)
Priority Application: US 2000713966 20001115
Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR
(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW
(EA) AM AZ BY KG KZ MD RU TJ TM
Publication Language: English
Filing Language: English
Fulltext Word Count: 25125

Main International Patent Class: **G06F-013/00**

English Abstract
A method and **apparatus** for **online** **diagnosis** and repair of computer hardware and software are provided. A client application and executable **program** scripts are **downloaded** to a computer (108) to be diagnosed. The client application executes the scripts and returns **information** obtained as a result of executing those scripts to a server (104). The server (104...

20/3,K/31 (Item 14 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT

00905286 **Image available**
SYSTEM AND METHOD FOR TRANSFER OF MEDICAL IMAGES
SYSTEME ET PROCEDE PERMETTANT DE TRANSFERER DES IMAGES MEDICALES
Patent Applicant/Assignee:
CEDARA SOFTWARE CORP, 6509 Airport Road, Mississauga, Ontario L4V 1S7, CA , CA (Residence), CA (Nationality), (For all designated states except: US)
Patent Applicant/Inventor:
DEKEL Doron, 30 Purdon Drive, Toronto, Ontario M3H 4X1, CA, CA (Residence), CA (Nationality), (Designated only for: US)
KLIMCZAK Cezary, 336 Hersey Crescent, Bolton, Ontario L7E 3Z5, CA, CA (Residence), CA (Nationality), (Designated only for: US)
Legal Representative:
HARRIS John D (et al) (agent), Gowling Lafleur Henderson LLP, Suite 2600, 160 Elgin Street, Ottawa, Ontario K1P 1C3, CA,
Patent and Priority Information (Country, Number, Date):
Patent: WO 200239364 A2 20020516 (WO 0239364)
Application: WO 2001CA1553 20011102 (PCT/WO CA0101553)
Priority Application: CA 2325651 20001109

Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ OM PH PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR
(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW
(EA) AM AZ BY KG KZ MD RU TJ TM
Publication Language: English
Filing Language: English
Fulltext Word Count: 6745

Main International Patent Class: **G06F-019/00**
Fulltext Availability:
Detailed Description
Claims

Detailed Description
... requesting one or more medical images that conform to a common image storage and retrieval **protocol** within a **system** for **transferring** one or more **medical images** across a wide area **network** is presented. The method comprising the steps of; **receiving** a query by a local area network server ftom a requesting client who is an...of medical images.
Detailed Description Embodiments of the Invention
The currently preferred embodiment presents a **system** and architecture for **transferring medical images** that conform to the DICOM **protocol** from one local area **network** to another, remote local area network. In the currently preferred embodiment the **transfer** between local area networks occurs across the Internet via a third party entity that will...

Claim
1 A **system** for **transferring** one or more **medical images** between two or more local
area **networks** across a wide area network, the **system** comprising:
one or more image storage **servers** , each image storage **server** providing one or
more **medical images** that conform to a common image storage and retrieval
protocol , each image storage server being an element of a local area network and
each image...

...of. client name, client group name, local area network server name and local area network **server** group name.

21 A method of requesting one or more **medical images** that conforni to a common image storage and retrieval **protocol** within a **system** for **transferring** one or more **medical images** across a wide area **network** , the method comprising the steps ofreceiving a query by a local area network server from...

20/3,K/32 (Item 15 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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00903227 **Image available**
REMOTE MANUAL, MAINTENANCE, AND DIAGNOSTIC SERVICES FOR NETWORKED ELECTRONIC DEVICES
SERVICES DE MAINTENANCE ET DE DIAGNOSTIC MANUELS A DISTANCE POUR

DISPOSITIFS ELECTRONIQUES EN RESEAU

Patent Applicant/Assignee:
SONY ELECTRONICS INC, 1 Sony Drive, Park Ridge, NJ 07656, US, US (Residence), US (Nationality)

Inventor(s):
HOFRICHER Klaus, 470 Oak Grove Drive, #405, Santa Clara, CA 95054, US,
DARA-ABRAMS Joseph Alexander, 961 Andover Way, Los Altos, CA 95134, US,
GAXIOLA David Gariel, 2480 Prunetree Court, San Jose, CA 95121, US,

Legal Representative:
HAMRICK Claude A S (agent), Oppenheimer Wolff & Donnelly LLP, 1400 Page Mill Road, Palo Alto, CA 94304, US,

Patent and Priority Information (Country, Number, Date):
Patent: WO 200237299 A1 20020510 (WO 0237299)
Application: WO 2001US45597 20011030 (PCT/WO US0145597)
Priority Application: US 2000705478 20001102

Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR
(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW
(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English
Filing Language: English
Fulltext Word Count: 13378

Main International Patent Class: **G06F-015/16**
Fulltext Availability:
Detailed Description

Detailed Description
... bring the device to a -vendor service center.

In step 41 0, the support service **application transmits** the **diagnostic information** to a **server** computing **system** via the **Internet** , and the **server** computing **system** creates and stores a record of the problem with the associated device as further explained... one embodiment, the server computing system includes an expert system. In step 456, the system **transmits** the determined support service **application** to the client. In step 458, the **server** computing **system receives** functional state **information** and/or **diagnostic information** and/or help query information associated with the particular **device** from the client.

In step 460, the system accesses a selected document (e.g., a...

20/3,K/33 (Item 16 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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00901256 **Image available**
SYSTEM AND METHOD FOR ONLINE DATA RECOVERY SERVICE
SYSTEME ET PROCEDE DE SERVICE DE RECUPERATION DE DONNEES EN LIGNE

Patent Applicant/Assignee:
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Patent Applicant/Inventor:
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135-110, KR, KR (Residence), KR (Nationality), (Designated only for: US)
Legal Representative:
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Patent and Priority Information (Country, Number, Date):
Patent: WO 200235310 A2-A3 20020502 (WO 0235310)
Application: WO 2001KR162 20010205 (PCT/WO KR0100162)
Priority Application: KR 200063447 20001027
Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR
(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW
(EA) AM AZ BY KG KZ MD RU TJ TM
Publication Language: English
Filing Language: English
Fulltext Word Count: 5322

Main International Patent Class: **G06F-011/14**
Fulltext Availability:
Detailed Description
Claims

English Abstract
...or data recovery of a client system, and a web server checks whether the client **system** having access to the online data recovery service requests **data diagnosis** or **data** recovery, the **web server** downloading to the client system a specific-purpose program for **data diagnosis** including a **data diagnosis** program stored in the program **server** when the client **system** requests **data diagnosis** , the **web server** downloading to the client system a specific-purpose program for data recovery including a data recovery **program** stored in the program server when the client system requests data recovery. Consequently, the method...

Detailed Description
... the web server checking whether the client system requests data diagnosis or data recovery upon **receiving** a message indicating that the client system is authenticated as a subscriber, the web **server** downloading to the client **system** a specific-purpose program for **data diagnosis** including a **data diagnosis** program stored in the **program server** when the client **system** requests **data diagnosis** , the **web server** downloading to the client **system** a specific-purpose **program** for data recovery including a data recovery **program** stored in the program server when the client system requests data recovery.

The method and...recording media is deleted, the client system 1 00 has access to the data recovery **system** 200 to **download** a defined **data diagnosis** /recovery **program** .

The data recovery **system** 200 includes a **web server** 210, an 3o authentication server 220, a program server 230, and a billing server 240...
...driving a data diagnosis program and a second static password for driving a data recovery **program** .

The first and second static passwords supplied for the **program** **server** 230 are included in specific-purpose programs for **data** **diagnosis** and **data** recovery, respectively. The specific-purpose programs **downloaded** on the client **system** 100 drive the data diagnosis/recovery 5 **program** with the stored static password according to the execution command by the user's key...system 100 requests data diagnosis or data recovery, in step SI 16.

If the client **system** 100 requests **data** **diagnosis** in step S116, the **web** **server** 210 requests the **program** **server** 230 to **download** a diagnosis OCX file, in step S118. Then, the **program** server 230 **downloads** the diagnosis OCX file to the client system 100 via the web server 210 by... system 1 00 requests data diagnosis or data recovery, in step S216.

If the client **system** 100 requests **data** **diagnosis** in step S216, the 5 **web** **server** 210 requests the **program** server 230 to **download** a diagnosis OCX file, in step S218. Then, the program server 230 downloads the diagnosis...

Claim

... the web server checking whether the client system requests data diagnosis or data recovery upon **receiving** a message indicating that the client system is authenticated as a subscriber, the web **server** downloading to the client **system** a specific-purpose program for **data** **diagnosis** including a **data** **diagnosis** program stored in the **program** **server** when the client **system** requests **data** **diagnosis** , the **web** **server** downloading to the client **system** a specific-purpose **program** for data recovery including a data recovery **program** stored in the program server when the client system requests data recovery.

13 The system...

...wherein the authentication 5 server further comprises a dynamic password generator for providing the client **system** , via the **web** **server** , with a third dynamic password for driving the **data** **diagnosis** **program** by request of the specific-purpose **program** for data diagnosis **downloaded** to the client system, and a fourth dynamic password for driving the data recovery program...

20/3,K/34 **(Item 17 from file: 349)**

DIALOG(R)File 349:PCT FULLTEXT

00873775

METHOD AND SYSTEM FOR PROVIDING MEDICAL INFORMATION

PROCEDE ET SYSTEME POUR FOURNIR DES INFORMATIONS MEDICALES

Patent Applicant/Assignee:

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Patent Applicant/Inventor:

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Legal Representative:
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Patent and Priority Information (Country, Number, Date):
Patent: WO 200206990 A1 20020124 (WO 0206990)
Application: WO 2001US22130 20010713 (PCT/WO US0122130)
Priority Application: US 2000616610 20000714; US 2000616519 20000714; US 2000616611 20000714; US 2000616213 20000714; US 2000616515 20000714
Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR
(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW
(EA) AM AZ BY KG KZ MD RU TJ TM
Publication Language: English
Filing Language: English
Fulltext Word Count: 11063

Main International Patent Class: **G06F-017/00**
Fulltext Availability:
Claims

Claim
... method of claim 31, wherein the address is a uniform resource identifier (URI).

38 A **system** for providing **medical information** to a patient, comprising:
a computer folder for the patient;
a communication **server** for permitting the patient to access the computer folder using a network;
a database for...

...an application server configured to store at least one address of the at least one **networked** resource in the computer folder.
.32
- The system of claim 38, further comprising:
an **application program** configured to **receive** patient requests for **medical information** over a **network** .

40 The **system** of claim 38, wherein the **application** server is configured to store comments of the medical professional in the computer folder.

41...

20/3,K/35 (Item 18 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT

00865304 **Image available**
REMOTE SERVER MANAGEMENT METHOD ON THE NETWORK
PROCEDE DE GESTION DE SERVEURS A DISTANCE SUR LE RESEAU
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Legal Representative:
KIM Won-Ho (agent), Teheran Bldg., 825-33 Yoksam-dong, Kangnam-ku, Seoul 135-080, KR,
Patent and Priority Information (Country, Number, Date):
Patent: WO 200198857 A2-A3 20011227 (WO 0198857)
Application: WO 2001KR1055 20010620 (PCT/WO KR0101055)
Priority Application: KR 200033819 20000620
Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR
(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW
(EA) AM AZ BY KG KZ MD RU TJ TM
Publication Language: English
Filing Language: English
Fulltext Word Count: 3032

Main International Patent Class: **G06F-011/30**
International Patent Class: **G06F-011/22**
Fulltext Availability:
Detailed Description

Detailed Description
... SNMP) are 5 automatically or manually found and made to be objects for a management **information server** (MIS), and by reading the management **information** , the **network** states on the remote **system** are **diagnosed** .

In the conventional NMS, when a normal operation is not performed because of a hardwired...

20/3,K/36 (Item 19 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT

00857190 **Image available**
A NETWORK DEVICE FOR SUPPORTING MULTIPLE UPPER LAYER NETWORK PROTOCOLS OVER A SINGLE NETWORK CONNECTION
DISPOSITIF DE RESEAU COMPATIBLE AVEC PLUSIEURS PROTOCOLES DE RESEAU A COUCHE SUPERIEURE VIA UNE SEULE CONNEXION RESEAU
Patent Applicant/Assignee:
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SULLIVAN Daniel J, 35 Glen Road, Hopkinton, MA 01748, US,
FOX Barbara A, 67 Eliot Park, Arlington, MA 02474, US,
MADSEN Jonathon D, 34 Park Avenue Extn., Arlington, MA 02474, US,
PROVENCHER Roland T, 28 Richman Road, Hudson, NH 03051, US,
PEARSON Terrence S, 8 Hills Farm Lane, Hollis, NH 03049, US,
BHATT Umesh, 26 Brackenwood Drive, Nashua, NH 03062, US,

POTHIER Peter, 54 Maplewood Drive, Townsend, MA 01469, US,
MANOR Larry B, 15 Cross Road, Londonderry, NH 03053, US,
Legal Representative:
ENGELLENNER Thomas J (et al) (agent), Nutter, McClennen & Fish, LLP, One International Place, Boston, MA 02110-2699, US,
Patent and Priority Information (Country, Number, Date):
Patent: WO 200190843 A2-A3 20011129 (WO 0190843)
Application: WO 2001US15867 20010516 (PCT/WO US0115867)
Priority Application: US 2000574343 20000520; US 2000574341 20000520; US 2000574440 20000520; US 2000588398 20000606; US 2000591193 20000609; US 2000593034 20000613; US 2000596055 20000616; US 2000613940 20000711; US 2000616477 20000714; US 2000625101 20000724; US 2000633675 20000807; US 2000637800 20000811; US 2000653700 20000831; US 2000656123 20000906; US 2000663947 20000918; US 2000669364 20000926; US 2000687191 20001012; US 2000703856 20001101; US 2000711054 20001109; US 2000718224 20001121; US 2001756936 20010109; US 2001777468 20010205; US 2001789665 20010221; US 2001803783 20010312; US 2001832436 20010410
Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR
(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW
(EA) AM AZ BY KG KZ MD RU TJ TM
Publication Language: English
Filing Language: English
Fulltext Word Count: 210510

Main International Patent Class: **G06F-013/00**
International Patent Class: **G06F-017/30** ...

... **G06F-001/18** ...

... **G06F-011/30** ...

... **G06F-012/14** ...

... **G06F-003/14**
Fulltext Availability:
Detailed Description

Detailed Description
... good reference timing signal regardless of whether any other LTSs detect a problem. with their **received** reference timing signals. Consequently, each US that detects a problem. with. a timing reference signal...

20/3,K/37 (Item 20 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT

00850706 **Image available**
MEDICAL HISTORY DATA SYSTEM AND METHOD THEREFOR
SYSTEME DE DONNEES HISTORIQUES MEDICALES ET PROCEDE ASSOCIE
Patent Applicant/Assignee:
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Patent Applicant/Inventor:

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KLEIN Richard R, 1011 Tufton Cove, Heathrow, FL 32746, US, US (Residence), US (Nationality)
ROSS David S, 605 Monroe Avenue, Cape Canaveral, FL 32920, US, US (Residence), US (Nationality)
Legal Representative:
SHERMAN Leonard W (et al) (agent), Sherman & Shalloway, 413 N. Washington Street, Alexandria, VA 22314, US,
Patent and Priority Information (Country, Number, Date):
Patent: WO 200184369 A1 20011108 (WO 0184369)
Application: WO 2000US11841 20000503 (PCT/WO US0011841)
Priority Application: WO 2000US11841 20000503
Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY CA CH CN CR CU CZ DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE
(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG
(AP) GH GM KE LS MW SD SL SZ TZ UG ZW
(EA) AM AZ BY KG KZ MD RU TJ TM
Publication Language: English
Filing Language: English
Fulltext Word Count: 6511

Main International Patent Class: **G06F**-017/30
Fulltext Availability:
Detailed Description
Claims

Detailed Description
... In addition, the invention provides a medical history data system for generating and issuing a **data** card bearing a patient,s medical history and including a computer system accessible via **on - line** communications, said computer system comprising a first memory area storing a **data** base **program** capable of **receiving** **data** and generating individual patient **data** files, a second memory area storing a language translation program capable of selectively'translating said...

...bearing a patientls medical history in a plurality of languages via an on-line computer **system** comprising the steps of: providing **on - line** to an **electronic** form adapted to **receive** **data** input of **medical** history **information** , providing **on - line** access to an **electronic** translation **program** , providing a data storage medium and. means for **downloading** data to said medium, establishing a link between said electronic form and said translation program...

Claim
... said data storage card.

10 A medical history data system for generating and issuing a **data** card bearing a patient,s medical history and including a computer system accessible via **on - line** communications, said computer system comprising:
a first memory area storing a **data**

base **program** capable of **receiving** **data** and generating individual patient **data** files,
a second memory area storing a
language translation program capable of selectively
translating said...history data system of claim
19 wherein said portable data storage means comprises an
electronically **programmable** media and said data **transfer**
means comprises a compatible **electronic** connector
therefor.

22 The **medical** history **data** **system** of claim
19 wherein said portable data storage means comprises a
laser recordable CD and...

...a patient,s medical history in a plurality of
languages via an on-line computer **system** comprising the
steps of:
a) providing **on - line** access to an
electronic form adapted to **receive** **data** input of **medical**
history **information** ,
b) providing **on - line** access to an
electronic translation **program** ,
c) providing a data storage medium and
means for **downloading** data to said medium,
d) establishing a link between said
electronic form and said translation...

20/3,K/38 **(Item 21 from file: 349)**
DIALOG(R)File 349:PCT FULLTEXT

00837082 **Image available**
INTERACTIVE TOY APPLICATIONS
APPLICATIONS POUR JOUETS INTERACTIFS
Patent Applicant/Assignee:
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VECHT-LIFSCHITZ Susan Eve, c/o Sanford T. Colb, P.O. Box 2273, 76122 Rehovot, IL, IL (Residence), GB (Nationality), (Designated only for: US)
Legal Representative:
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Patent and Priority Information (Country, Number, Date):

Patent: WO 200170361 A2-A3 20010927 (WO 0170361)
Application: WO 2001IL268 20010320 (PCT/WO IL0100268)
Priority Application: US 2000192011 20000324; US 2000192012 20000324; US 2000192013 20000324; US 2000192014 20000324; US 2000193697 20000331; US 2000193699 20000331; US 2000193702 20000331; US 2000193703 20000331; US 2000193704 20000331; US 2000195861 20000407; US 2000195862 20000407; US 2000195863 20000407; US 2000195864 20000407; US 2000195865 20000407; US 2000195866 20000407; US 2000196227 20000410; US 2000197573 20000417; US 2000197576 20000417; US 2000197577 20000417; US 2000197578 20000417; US 2000197579 20000417; US 2000200508 20000428; US 2000200513 20000428; US 2000200639 20000428; US 2000200640 20000428; US 2000200641 20000428; US 2000200647 20000428; US 2000203175 20000508; US 2000203177 20000508; US 2000203182 20000508; US 2000203244 20000508; US 2000204201 20000515; US 2000204200 20000515; US 2000207126 20000525; US 2000207128 20000525; US 2000208105 20000526; US 2000208390 20000530; US 2000208391 20000530; US 2000208392 20000530; US 2000209471 20000605; US 2000210443 20000608; US 2000210445 20000608; US 2000212696 20000619; US 2000215360 20000630; US 2000216237 20000705; US 2000216238 20000705; US 2000217357 20000712; US 2000219234 20000718; US 2000220276 20000724; US 2000221933 20000731; US 2000223877 20000808; US 2000227112 20000822; US 2000229371 20000830; US 2000229648 20000831; US 2000231105 20000908; US 2000231103 20000908; US 2000234883 20000925; US 2000234895 20000925; US 2000239329 20001010; US 2000253362 20001127; US 2000250332 20001129; US 2000254699 20001211; US 2001267350 20010208
Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR
(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW
(EA) AM AZ BY KG KZ MD RU TJ TM
Publication Language: English
Filing Language: English
Fulltext Word Count: 103613

...International Patent Class: **G06F-017/60**
Fulltext Availability:
Detailed Description

Detailed Description
... preferred embodiment of the present invention, there is provided a methodology for obtaining and utilizing **information** wherein the **information** is utilized at least partially as a **diagnostic** tool for evaluating perfon-nance of at least one user.

Furthermore, in accordance with a...

20/3,K/39 (Item 22 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT

00828062 **Image available**
WORKERS' COMPENSATION INFORMATION PROCESSING SYSTEM
SYSTEME DE TRAITEMENT D'INFORMATIONS RELATIVES A L'INDEMNISATION POUR ACCIDENT DE TRAVAIL
Patent Applicant/Assignee:
STELLARNET INC, 2121 North California Boulevard, Suite 570, Walnut Creek, CA 94596, US, US (Residence), US (Nationality), (For all designated states except: US)

Patent Applicant/Inventor:
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US (Residence), US (Nationality), (Designated only for: US)
WILSON Sheryl Lee, 2043 Gill Port Lane, Walnut Creek, CA 94598, US, US
(Residence), US (Nationality), (Designated only for: US)
Legal Representative:
KREBS Robert E (agent), Burns, Doane, Swecker & Mathis, LLP, P.O. Box
1404, Alexandria, VA 22313-1404, US,
Patent and Priority Information (Country, Number, Date):
Patent: WO 200161608 A1 20010823 (WO 0161608)
Application: WO 2001US5138 20010216 (PCT/WO US0105138)
Priority Application: US 2000506432 20000217
Parent Application/Grant:
Related by Continuation to: US 2000506432 20000217 (CON)
Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ
DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ
LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG
SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR
(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW
(EA) AM AZ BY KG KZ MD RU TJ TM
Publication Language: English
Filing Language: English
Fulltext Word Count: 7367

Main International Patent Class: **G06F-017/60**
Fulltext Availability:
Claims

Claim
... for different forms can be automatically input using the renaming software. In one embodiment, the **receiving software** 202 is the **server** which receives the renamed files and can route them using the **data** in the fields of the renamed file. In an alternate embodiment of the present invention...software accessed at a provider computer, the software adapted to prompt
the provider to input **data** concerning a workers' compensation claim, the **software** adapted to **send** an **electronic** workers' compensation medical treatment report **electronically** across the **Internet** to a payer computer; and .
electronic report filtering software accessed at the payer computer, the
...

20/3,K/40 (Item 23 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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00827206 **Image available**
RESPONSIVE MANUFACTURING AND INVENTORY CONTROL
FABRICATION A LA DEMANDE DE DISPOSITIFS MEDICAUX IMPLANTABLES
Patent Applicant/Assignee:
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(Residence), US (Nationality)
Inventor(s):
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THOMPSON David L, 14171 Alder Street Northwest, Andover, MN 55304, US,
Legal Representative:
WOLDE-MICHAEL Girma (et al) (agent), Medtronic, Inc. MS301, 7000 Central Avenue NE, Minneapolis, MN 55432, US,
Patent and Priority Information (Country, Number, Date):
Patent: WO 200160452 A1 20010823 (WO 0160452)
Application: WO 2001US3416 20010202 (PCT/WO US0103416)
Priority Application: US 2000180289 20000204
Designated States: CA JP
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR
Publication Language: English
Filing Language: English
Fulltext Word Count: 6640

...International Patent Class: **G06F-017/60**
Fulltext Availability:
Claims

Claim
... set downloadable to the Web-enabled information network via the programmer to thereby route device **information** to the manufacturing facility, having access to the **Web** -enabled **information network** .

7 A method for managing **medical device** inventory production to coordinate and 1 5 maintain a just-in-time inventory when a...

...manufacturing process and sales distribution hubs are synchronized to tract the implantation of a customized **medical device** , the method comprising:
providing a **Web** -enabled **information network** , having bi-directional **data**
communication with the hubs;
maintaining an inventory of all **medical devices** at the hubs and at the
manufacturing facility;
downloading a customized **data** set for the device in a **programmer**
transferring the customized **data** set to a manufacturing plant via the **Web** -enabled **information network** to start a
build-to-order/build-to-replenish operation.

20/3,K/41 (Item 24 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
(c) 2003 WIPO/Univentio. All rts. reserv.

00815123 **Image available**
MEDICAL DEVICE GUI FOR CARDIAC ELECTROPHYSIOLOGY DISPLAY AND DATA COMMUNICATION
INTERFACE GRAPHIQUE DE DISPOSITIF MEDICAL DESTINEE A L'AFFICHAGE DE L'ELECTROPHYSIOLOGIE CARDIAQUE ET A LA COMMUNICATION DE DONNEES
Patent Applicant/Assignee:
MEDTRONIC INC, 7000 Central Avenue NE, Minneapolis, MN 55432, US, US (Residence), US (Nationality)
Inventor(s):
FEREK-PETRIC Bozar, Sovinec 17, 1000 Zagreb, HR,
Legal Representative:
WOLDE-MICHAEL Girma (et al) (agent), Medtronic, Inc., 7000 Central Avenue NE, Minneapolis, MN 55432, US,
Patent and Priority Information (Country, Number, Date):

Patent: WO 200148677 A2-A3 20010705 (WO 0148677)
Application: WO 2000US34940 20001222 (PCT/WO US0034940)
Priority Application: US 99173065 19991224
Designated States: CA JP
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR
Publication Language: English
Filing Language: English
Fulltext Word Count: 7366

Main International Patent Class: **G06F-019/00**
Fulltext Availability:
Detailed Description

Detailed Description
... implantable medical device would provide significant advances over the prior art.

Specifically, by using enabling **software** in conjunction with a graphical user interface **transfer** of **medical** and **device information** to remote sites via the **Internet** , **Intranet** , **Extranet** , World Wide **Web** or other medium, monitoring and management of chronic I 0 patients could be enhanced. More...

20/3,K/42 (Item 25 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
(c) 2003 WIPO/Univentio. All rts. reserv.

00808349 **Image available**
CARDIOVASCULAR HEALTHCARE MANAGEMENT SYSTEM AND METHOD
PROCEDE ET SYSTEME DE GESTION DES SOINS DE SANTE CARDIOVASCULAIRES
Patent Applicant/Assignee:
BERKELEY HEARTLAB INC, 1875 South Grant St., Suite #700, San Mateo, CA 94402, US, US (Residence), US (Nationality), (For all designated states except: US)
Patent Applicant/Inventor:
RUDERMAN Frank R, 248 Bayview Drive, San Carlos, CA 94070, US, US (Residence), US (Nationality), (Designated only for: US)
SHEWMAKE David T, 419 Baden Street, San Francisco, CA 94131-2831, US, US (Residence), US (Nationality), (Designated only for: US)
Legal Representative:
MCDONNELL John J (agent), McDonnell Boehnen Hulbert & Berghoff, 32nd Floor, 300 South Wacker Drive, Chicago, IL 60606, US,
Patent and Priority Information (Country, Number, Date):
Patent: WO 200141037 A2-A3 20010607 (WO 0141037)
Application: WO 2000US32833 20001201 (PCT/WO US0032833)
Priority Application: US 99168354 19991201; US 2000534946 20000324
Parent Application/Grant:
Related by Continuation to: US 2000534946 20000324 (CON)
Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR
(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW
(EA) AM AZ BY KG KZ MD RU TJ TM
Publication Language: English
Filing Language: English
Fulltext Word Count: 8871

Main International Patent Class: **G06F-017/00**
International Patent Class: **G06F-019/00**
Fulltext Availability:
Claims

Claim
... of claim

13 wherein the step of providing test result data is performed using internet **protocols** .
15 The method of managing cardiovascular healthcare management **system** of claim

13 wherein the step of **receiving** **diagnostic** **information** from a physician is performed using **internet** **protocols** .

16 The method of managing cardiovascular healthcare management **system** of claim

13 wherein all the steps of **receiving** and providing information are performed using internet protocols.

17 The method of managing cardiovascular healthcare...

20/3,K/43 **(Item 26 from file: 349)**
DIALOG(R)File 349:PCT FULLTEXT

00806384
NETWORK AND LIFE CYCLE ASSET MANAGEMENT IN AN E-COMMERCE ENVIRONMENT AND METHOD THEREOF
GESTION D'ACTIFS DURANT LE CYCLE DE VIE ET EN RESEAU DANS UN ENVIRONNEMENT DE COMMERCE ELECTRONIQUE ET PROCEDE ASSOCIE
Patent Applicant/Assignee:
ACCENTURE LLP, 1661 Page Mill Road, Palo Alto, CA 94304, US, US (Residence), US (Nationality)
Inventor(s):
MIKURAK Michael G, 108 Englewood Blvd., Hamilton, NJ 08610, US,
Legal Representative:
HICKMAN Paul L (agent), Oppenheimer Wolff & Donnelly, LLP, 38th Floor, 2029 Century Park East, Los Angeles, CA 90067-3024, US,
Patent and Priority Information (Country, Number, Date):
Patent: WO 200139030 A2 20010531 (WO 0139030)
Application: WO 2000US32324 20001122 (PCT/WO US0032324)
Priority Application: US 99444775 19991122; US 99447621 19991122
Designated States: AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CU CZ DE DK DZ EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR
(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW
(EA) AM AZ BY KG KZ MD RU TJ TM
Publication Language: English
Filing Language: English
Fulltext Word Count: 171499

Main International Patent Class: **G06F-017/60**
Fulltext Availability:

Detailed Description

Detailed Description
... provides the data management and data communications between element managers and presentation managers. All information **forwarded** from the element managers is utilized by the **information** services manager to provide **information** to the **network** operators. The information services manager adheres to CORBA standards to provide ubiquitous information access via...

20/3,K/44 (Item 27 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT

00796965
A USER INTERFACE FOR A BI-DIRECTIONAL COMMUNICATION SYSTEM
INTERFACE UTILISATEUR POUR SYSTEME DE COMMUNICATION BIDIRECTIONNEL
Patent Applicant/Assignee:
THOMSON LICENSING S A, 46, quai Alphonse Le Gallo, F-92648 Boulogne Cedex , FR, FR (Residence), FR (Nationality), (For all designated states except: US)
Patent Applicant/Inventor:
MAYERNICK Mark Ryan, 233 Arbor Drive, Carmel, IN 46032-1262, US, US (Residence), US (Nationality), (Designated only for: US)
POLIT Peter Paul, P.O. Box 7090, Indianapolis, IN 46207-7090, US, US (Residence), US (Nationality), (Designated only for: US)
NATARAJAN Suresh, 14510 NE 35th Street, #A5, Bellevue, WA 98007, US, US (Residence), IN (Nationality), (Designated only for: US)
WITTMAN Brian A, 5830 Ashurst Street, Indianapolis, IN 46220-4980, US, US (Residence), US (Nationality), (Designated only for: US)
Legal Representative:
TRIPOLI Joseph S (et al) (agent), Thomson multimedia Licensing Inc., P.O. Box 5312, Princeton, NJ 08540, US,
Patent and Priority Information (Country, Number, Date):
Patent: WO 200129658 A2-A3 20010426 (WO 0129658)
Application: WO 2000US28298 20001013 (PCT/WO US0028298)
Priority Application: US 99159788 19991015; US 2000567398 20000509
Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE
(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW
(EA) AM AZ BY KG KZ MD RU TJ TM
Publication Language: English
Filing Language: English
Fulltext Word Count: 8703

Main International Patent Class: **G06F-009/44**
Fulltext Availability:
Detailed Description

Detailed Description
... Figure 13), for example. In similar fashion, the displayed web page may indicate other address **information** such as (a) the **web** page IP address, (b) a File **Transfer Protocol** (FTP) address, and (c) an Email address. The **web** page also provides other customer **network information** including the amount of traffic and details concerning

collisions on the **network** . This advantageously eliminates the need for customized **diagnostic equipment** or software.

Modem 12 also generates **browser** alert boxes for certain **network** events of which a User would like to be informed. Further, the browser allows special...

20/3,K/45 (Item 28 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
(c) 2003 WIPO/Univentio. All rts. reserv.

00781859 **Image available**
COMPUTER-IMPLEMENTED FORM HANDLING
ELABORATION D'UN DOCUMENT PAR ORDINATEUR
Patent Applicant/Assignee:
MEDICAL DATA SERVICES GMBH, An der Alten Ziegelei 20, 48157 Munster, DE, DE (Residence), DE (Nationality), (For all designated states except: US)
Patent Applicant/Inventor:
ELFERING Ingo, GlaxoSmithKline, 709 Swedeland Road, King of Prussia, PA 19406, US, US (Residence), DE (Nationality), (Designated only for: US)
Legal Representative:
GIDDINGS Peter John (agent), GlaxoSmithKline, Corporate Intellectual Property (CN9.25.1), 980 Great West Road, Brentford, Middlesex TW8 9GS, GB,
Patent and Priority Information (Country, Number, Date):
Patent: WO 200114993 A2-A3 20010301 (WO 0114993)
Application: WO 2000EP8302 20000824 (PCT/WO EP0008302)
Priority Application: GB 9920278 19990826
Designated States: US
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE
Publication Language: English
Filing Language: English
Fulltext Word Count: 8876

Main International Patent Class: **G06F-019/00**
Fulltext Availability:
Claims

Claim
... a query response can be provided in MIME format. HTTP is a standard for transporting **information** over **internet** style **networks** based on the TCP/IP (**Transmission** Control **Protocol / Internet** Protocol). More **information** on HTTP can be found on the **Internet** at **www** .ietf.oM. MIME is a **data** standard for packaging **information** into a transport package that can be transported over HTTP. The standard itself is the... digitally signed and encrypted e-mails can be used to ensure that communication to the **server** is also secure during **transmission** . With the **application** of XML, a procedure can be used which is independent of the **data** being transmitted, and can be utilized in any form at any time by two applications...

20/3,K/46 (Item 29 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
(c) 2003 WIPO/Univentio. All rts. reserv.

00772855 **Image available**
PROCESSING MEDICAL DATA IN DIFFERENT FORMATS

TRAITEMENT DE DONNEES MEDICALES DANS DES FORMATS DIFFERENTS

Patent Applicant/Assignee:
CLINICIAN SUPPORT TECHNOLOGY, Suite 340, 3 Speen Street, Framingham, MA 01701, US, US (Residence), US (Nationality), (For all designated states except: US)

Patent Applicant/Inventor:
MORALES Alfredo, 146 W. 4th Street #2, Boston, MA 02127, US, US (Residence), VE (Nationality), (Designated only for: US)
VENKATRAMAN Ravi, 92-2 Presidential Drive, Quincy, MA 02169, US, US (Residence), US (Nationality), (Designated only for: US)
WANG Qiang, 170 Payson Road, Chestnut Hill, MA 02467, US, US (Residence), CN (Nationality), (Designated only for: US)

Legal Representative:
FEIGENBAUM David L, Fish & Richardson, P.C., 225 Franklin Street, Boston, MA 02110-2804, US

Patent and Priority Information (Country, Number, Date):
Patent: WO 200106348 A1 20010125 (WO 0106348)
Application: WO 2000US17549 20000626 (PCT/WO US0017549)
Priority Application: US 99144471 19990719; US 2000587203 20000605

Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE
(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW
(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English
Filing Language: English
Fulltext Word Count: 5856

Main International Patent Class: **G06F-007/00**
Fulltext Availability:
Detailed Description

Detailed Description
... wide solution.

Among other features and advantages of this architecture are.

1. MDOs can be **transferred** essentially in real time from medical **devices**
to clinical repositories,
2. **Application servers** can upload **medical device data** in real time to
clinical repositories,
3. Information can be exchanged as atomic transactions (in...

20/3,K/47 (Item 30 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT

00764207 **Image available**
VEHICLE COMPUTERIZED NETWORK SYSTEM
SYSTEME DE RESEAU INFORMATISE POUR VEHICULE

Patent Applicant/Assignee:
SUN MICROSYSTEMS INC, 901 San Antonio Road, Palo Alto, CA 94303, US, US (Residence), US (Nationality)

Inventor(s):
RAZAVI Behfar, 7145 Glenview Drive, San Jose, CA 95120, US,

DENSMORE Owen M, 2590 Ross Road, Palo Alto, CA 94303, US,
MARTIN Guy W, 448 Sydenham Court, San Jose, CA 95111, US,
Legal Representative:
KIVLIN B Noel (agent), Conley, Rose & Tayon, P.C., P.O. Box 398, Austin, TX 78767-0398, US,
Patent and Priority Information (Country, Number, Date):
Patent: WO 200077620 A2-A3 20001221 (WO 0077620)
Application: WO 2000US16496 20000614 (PCT/WO US0016496)
Priority Application: US 99332344 19990614; US 99332345 19990614; US 99332346 19990614; US 99332347 19990614; US 99332348 19990614
Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY CA CH CN CR CU CZ DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE
(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW
(EA) AM AZ BY KG KZ MD RU TJ TM
Publication Language: English
Filing Language: English
Fulltext Word Count: 12559

Main International Patent Class: **G06F-009/445**
Fulltext Availability:
Detailed Description

Detailed Description
... memory modules or CDs (e.g. containing map data,) the automobile sub-network enables the **downloading** of new **applications** or data. as well as the uploading of vehicle **diagnostic data** or other information, 1 5 through the **network** communication **devices** .

This disclosure is directed generally to sub-network implementations within vehicles. "Vehicles" may include automobiles...

20/3,K/48 (Item 31 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT

00761430 **Image available**
SYSTEM, METHOD AND COMPUTER PROGRAM FOR REPRESENTING PRIORITY INFORMATION CONCERNING COMPONENTS OF A SYSTEM
SYSTEME, METHODE ET ARTICLE FABRIQUE PERMETTANT DE CLASSER PAR ORDRE DE PRIORITE DES COMPOSANTS D'UNE STRUCTURE DE RESEAU NECESSAIRES A LA MISE EN OEUVRE D'UNE TECHNIQUE
Patent Applicant/Assignee:
ANDERSEN CONSULTING LLP, 100 South Wacker Drive, Chicago, IL 60606, US, US (Residence), US (Nationality)
Inventor(s):
GUHEEN Michael F, 2218 Mar East Street, Tiburon, CA 94920, US,
MITCHELL James D, 3004 Alma, Manhattan Beach, CA 90266, US,
BARRESE James J, 757 Pine Avenue, San Jose, CA 95125, US,
Legal Representative:
BRUESS Steven C (agent), Merchant & Gould P.C., P.O. Box 2903, Minneapolis, MN 55402-0903, US,
Patent and Priority Information (Country, Number, Date):
Patent: WO 200073956 A2-A3 20001207 (WO 0073956)
Application: WO 2000US14406 20000524 (PCT/WO US0014406)
Priority Application: US 99321274 19990527

Designated States: AE AG AL AM AT (utility model) AU AZ BA BB BG BR BY CA
CH CN CR CU CZ (utility model) DE (utility model) DK (utility model) DM
DZ EE (utility model) ES FI (utility model) GB GD GE GH GM HR HU ID IL IN
IS JP KE KG KP KR (utility model) KZ LC LK LR LS LT LU LV MA MD MG MK MN
MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK (utility model) SL TJ TM TR TT
TZ UA UG UZ VN YU ZA ZW
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE
(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW
(EA) AM AZ BY KG KZ MD RU TJ TM
Publication Language: English
Filing Language: English
Fulltext Word Count: 149024

Main International Patent Class: **G06F-017/60**
Fulltext Availability:
Detailed Description

Detailed Description
... worked on by multiple developers.

d) If the tool is also going to he usedfor **application** development, how well does
the toolperform duringproduction?
Computational, **network** , **data** retrieval, and display speeds differ for products.

Factors to consider are whether the application will...relatively large files. This format is therefore useful where the use of high-quality textured **images** , or highly colored **images** is important, but where file storage and transmission is not an issue (where the media content is local to the client **application** ,
157
such as in a kiosk).

Vector-based tools (where the **image** is defined by formulae rather than pixel po:ition) offer much smaller file sizes, and...should be followed when creating test cases for the component
test?
When preparing component test **data** , the AC Methods checklist helps ensure that all cases are thought up so that component...used on the engagement
Size of the testing team
Performance Management
Performance Management tools support **application** performance testing. Owing to the large number of components in modern systems, performance modeling can...They are also useful in identifying potential bottlenecks or processing anomalies.

In the case of **Internet** -based **applications** , as the **Internet** is not a controlled environment, performance management tools can only measure performance within the domain...

20/3,K/49 (Item 32 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT

00761429
METHODS, CONCEPTS AND TECHNOLOGY FOR A VIRTUAL SHOPPING SYSTEM CAPABLE OF

ASSESSING NEEDS OF A CUSTOMER AND RECOMMENDING A PRODUCT OR SERVICE BASED ON SUCH ASSESSED NEEDS
PROCEDES, CONCEPTS ET TECHNOLOGIE POUR SYSTEME D'ACHAT VIRTUEL CAPABLE D'EVALUER LES BESOINS D'UN CLIENT ET DE RECOMMANDER UN PRODUIT OU UN SERVICE SUR LA BASE DE CES BESOINS

Patent Applicant/Assignee:
ACCENTURE LLP, 100 South Wacker Drive, Chicago, IL 60606, US, US (Residence), US (Nationality)

Inventor(s):
GUHEEN Michael F, 2218 Mar East Street, Tiburon, CA 94920, US,
MITCHELL James D, 3004 Alma, Manhattan Beach, CA 90266, US,
BARRESE James J, 757 Pine Avenue, San Jose, CA 95125, US,

Legal Representative:
BRUESS Steven C (agent), Merchant & Gould P.C., P.O. Box 2903, Minneapolis, MN 55402-0903, US,

Patent and Priority Information (Country, Number, Date):
Patent: WO 200073955 A2 20001207 (WO 0073955)
Application: WO 2000US14357 20000524 (PCT/WO US0014357)
Priority Application: US 99321495 19990527

Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY CA CH CN CR CU CZ DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE
(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW
(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English
Filing Language: English
Fulltext Word Count: 148469

Main International Patent Class: **G06F-017/60**
Fulltext Availability:
Detailed Description

Detailed Description
... details.

In the later stages of development, usability laboratories can be extremely helpful for evaluating **system** design. Usability labs, which can be stationery or portable, rely on videotape and screen capture...

20/3,K/50 (Item 33 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT

00761424
A SYSTEM, METHOD, AND ARTICLE OF MANUFACTURE FOR PHASE DELIVERY OF COMPONENTS OF A SYSTEM REQUIRED FOR IMPLEMENTATION OF TECHNOLOGY
SYSTEME, PROCEDE ET ARTICLE MANUFACTURE DESTINES A LA FOURNITURE PAR PHASES DE COMPOSANTS D'UN SYSTEME NECESSAIRES A L'APPLICATION D'UNE TECHNIQUE

Patent Applicant/Assignee:
ACCENTURE LLP, 100 South Wacker Drive, Chicago, IL 60606, US, US (Residence), US (Nationality)

Inventor(s):
GUHEEN Michael F, 2218 Mar East Street, Tiburon, CA 94920, US,
MITCHELL James D, 3004 Alma, Manhattan Beach, CA 90266, US,
BARRESE James J, 757 Pine Avenue, San Jose, CA 95125, US,

Legal Representative:

BRUESS Steven C (agent), Merchant & Gould P.C., P.O. Box 2903,
Minneapolis, MN 55402-0903, US,
Patent and Priority Information (Country, Number, Date):
Patent: WO 200073930 A2 20001207 (WO 0073930)
Application: WO 2000US14458 20000524 (PCT/WO US0014458)
Priority Application: US 99321360 19990527
Designated States: AE AG AL AM AT AT (utility model) AU AZ BA BB BG BR BY CA CH CN CR CU CZ CZ (utility model) DE DE (utility model) DK DK (utility model) DM DZ EE EE (utility model) ES FI FI (utility model) GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KR (utility model) KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SK (utility model) SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE
(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW
(EA) AM AZ BY KG KZ MD RU TJ TM
Publication Language: English
Filing Language: English
Fulltext Word Count: 149456

Main International Patent Class: **G06F-017/60**
Fulltext Availability:
Detailed Description

Detailed Description
... Webtops on PCs.

Product5 j provides Java technology clients with connectivity to legacy databases and **applications** .
Business I Product7 - host-based **software** used to monitor and administer tape libraries via a Java-enabled **Web browser** . The Library Monitor allows event logging and notification, remote **diagnostics** , remote configuration, and remote monitoring of library activity and status.

1.2
1.3 Business2...

20/3,K/51 (Item 34 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT

00761423
A SYSTEM, METHOD, AND ARTICLE OF MANUFACTURE FOR EFFECTIVELY CONVEYING WHICH COMPONENTS OF A SYSTEM ARE REQUIRED FOR IMPLEMENTATION OF TECHNOLOGY
SYSTEME, PROCEDE ET ARTICLE MANUFACTURE POUR L'ACHEMINEMENT EFFICACE DES COMPOSANTS D'UN SYSTEME NECESSAIRES A LA MISE EN PRATIQUE D'UNE TECHNOLOGIE
Patent Applicant/Assignee:
ACCENTURE LLP, 100 South Wacker Drive, Chicago, IL 60606, US, US (Residence), US (Nationality)
Inventor(s):
GUHEEN Michael F, 2218 Mar East Street, Tiburon, CA 94920, US,
MITCHELL James D, 3004 Alma, Manhattan Beach, CA 90266, US,
BARRESE James J, 757 Pine Avenue, San Jose, CA 95125, US,
Legal Representative:
BRUESS Steven C (agent), Merchant & Gould P.C., P.O. Box 2903,
Minneapolis, MN 55402-0903, US,

Patent and Priority Information (Country, Number, Date):
Patent: WO 200073929 A2 20001207 (WO 0073929)
Application: WO 2000US14457 20000524 (PCT/WO US0014457)
Priority Application: US 99321136 19990527
Designated States: AE AG AL AM AT AT (utility model) AU AZ BA BB BG BR BY CA CH CN CR CU CZ CZ (utility model) DE DE (utility model) DK DK (utility model) DM DZ EE EE (utility model) ES FI FI (utility model) GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KR (utility model) KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SK (utility model) SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE
(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW
(EA) AM AZ BY KG KZ MD RU TJ TM
Publication Language: English
Filing Language: English
Fulltext Word Count: 150133

Main International Patent Class: **G06F-017/60**
Fulltext Availability:
Detailed Description

Detailed Description
... Product7 - host-based software used to monitor and administer tape libraries via a Java-enabled **Web** **browser** . The Library Monitor allows event logging and notification, remote **diagnostics** , remote configuration, and remote monitoring of library activity and status.

1.2
1.3 Business2...the conduct of system tests. Test Execution support includes the tools required to.

Extract input **data** and expected results from the repository
0 Load this data into the appropriate Test Execution...also useful in identifying potential bottlenecks or processing anomalies.

In the case of Intemet-based **applications** , as the **Inter**net is not a controlled environment, performance management tools can only measure performance within the domain...

20/3,K/52 (Item 35 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT

00761422
BUSINESS ALLIANCE IDENTIFICATION
SYSTEME, PROCEDE ET ARTICLE DE PRODUCTION POUR L'IDENTIFICATION D'ALLIANCES COMMERCIALES DANS UN CADRE D'ARCHITECTURE RESEAU
Patent Applicant/Assignee:
ACCENTURE LLP, 100 South Wacker Drive, Chicago, IL 60606, US, US (Residence), US (Nationality)
Inventor(s):
GUHEEN Michael F, 2218 Mar East Street, Tiburon, CA 94920, US,
MITCHELL James D, 3004 Alma, Manhattan Beach, CA 90266, US,
BARRESE James J, 757 Pine Avenue, San Jose, CA 95125, US,
Legal Representative:
BRUESS Steven C (agent), Merchant, Gould, Smith, Edell, Welter & Schmidt, P.A., P.O. Box 2903, Minneapolis, MN 55402-0903, US,

Patent and Priority Information (Country, Number, Date):
Patent: WO 200073928 A2-A3 20001207 (WO 0073928)
Application: WO 2000US14375 20000524 (PCT/WO US0014375)
Priority Application: US 99320816 19990527
Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY CA CH CN CR CU CZ DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE
(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW
(EA) AM AZ BY KG KZ MD RU TJ TM
Publication Language: English
Filing Language: English
Fulltext Word Count: 149371

Main International Patent Class: **G06F-017/60**
Fulltext Availability:
Detailed Description

Detailed Description
... include files and creates skeleton code which may be used as a template for the **programmer** . This template may also include audit history for the module and standard code such as...schema and to correct intermediate results in order to complete a test cycle. Some test **data** manipulation tools generate test **data** very effectively.

Test Planning
A Test Plan consists of several components.
Test schedule
0 Test execution tracking
Test cycles
Test scripts
160
Test conditions
Test condition generation
Input **data**
Expected results
Test Planning definition and maintenance tools define and maintain the relationship between components...Execution tool. Further detail is available through RTP's Test Automation Strategy - Version I.J.
Application factors to be considered include.

Application life expectancy
9 Number of planned releases
Use of...the management applications must be HP OpenView software (API, SNMPx) or hardware (card) compliant.

Management **applications** **receive** **data** from the event/ **data** generation, event processing, and repositories components and then send **data** to the presentation or repositories components. Management applications tools include capacity planning tools, perforinance management...

20/3,K/53 **(Item 36 from file: 349)**
DIALOG(R)File 349:PCT FULLTEXT

00743941 **Image available**

METHOD AND SYSTEM FOR HEALTHCARE TREATMENT, PLANNING, AND ASSESSMENT
PROCEDE ET SYSTEME DESTINES AU TRAITEMENT, A LA PLANIFICATION ET A L'EVALUATION EN MATIERE DE SANTE

Patent Applicant/Assignee:
DENTAL MEDICINE INTERNATIONAL L L C, 50 Park Row West #513, Providence, RI 02903, US, US (Residence), US (Nationality)

Inventor(s):
MARTIN John A, 2521 Carnegie Drive, State College, PA 16803-1157, US
NOLF Randy R, R.R. 1, Saylorsburg, PA 18353-9801, US

Legal Representative:
BURDETT James R, Venable, P.O. Box 34385, Washington, DC 20043-9998, US

Patent and Priority Information (Country, Number, Date):
Patent: WO 200057310 A1 20000928 (WO 0057310)
Application: WO 2000US7712 20000323 (PCT/WO US0007712)
Priority Application: US 99125931 19990323; US 99396404 19990915

Designated States: AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CR CU CZ DE DK DM EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE
(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG
(AP) GH GM KE LS MW SD SL SZ TZ UG ZW
(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English
Filing Language: English
Fulltext Word Count: 14546

Main International Patent Class: **G06F-017/30**
Fulltext Availability:
Claims

Claim
... to
treatment; and
at least one processor for executing the healthcare system and the administrative
software .

30 A data processing **system** including a client and a healthcare **server** . comprising: means for **receiving** **diagnostic** **data** reflecting a patient's likelihood of developing a
disease and being responsive to treatment;
means...

20/3,K/54 **(Item 37 from file: 349)**
DIALOG(R)File 349:PCT FULLTEXT
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00569858 **Image available**
MEDICAL NETWORK SYSTEM AND METHOD FOR TRANSFER OF INFORMATION
SYSTEME DE RESEAU MEDICAL ET PROCEDE DE TRANSFERT D'INFORMATIONS

Patent Applicant/Assignee:
NEXSYS ELECTRONICS, 667 Folsom Street, San Francisco, CA 94107, US, US (Residence), US (Nationality), (For all designated states except: US)

Inventor(s):
KILLCOMMONS Peter M,
FOARD Lawrence IV,

Patent Applicant/Inventor:
KILLCOMMONS Peter M, 132 Beaumont, San Francisco, CA 94107, US, US

(Residence), US (Nationality), (Designated only for: US)
FOARD Lawrence IV, 43 Vicksburg Lane, San Francisco, CA 94114, US, US
(Residence), -- (Nationality), (Designated only for: US)
Legal Representative:
FAHMI Tarek N (et al) (agent), Blakely, Sokoloff, Taylor & Zafman LLP, 7th floor, 12400 Wilshire Boulevard, Los Angeles, CA 90025, US,
Patent and Priority Information (Country, Number, Date):
Patent: WO 200033231 A2-A3 20000608 (WO 0033231)
Application: WO 99US28085 19991123 (PCT/WO US9928085)
Priority Application: US 98199611 19981125
Designated States: AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CR CU CZ DE DK DM EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE
(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG
(AP) GH GM KE LS MW SD SL SZ TZ UG ZW
(EA) AM AZ BY KG KZ MD RU TJ TM
Publication Language: English
Filing Language: English
Fulltext Word Count: 12989

Main International Patent Class: **G06F-019/00**
International Patent Class: **G06F-017/30**
Fulltext Availability:
Detailed Description

Detailed Description
... visible type, but any format is possible.

Browser enhancement module 54 is configured to instruct **server** 20 as to how to handle particular **medical data** and files. Depending on the particular **application** of the **transfer system** , the server 20 may handle the data in many ways. Instruction component 60 receives requests ...

20/3,K/55 (Item 38 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT

00561819 **Image available**
PRESCRIPTION-CONTROLLED DATA COLLECTION SYSTEM AND METHOD
SYSTEME ET PROCEDE DE RECUEIL DE DONNEES COMMANDES PAR UNE ORDONNANCE
Patent Applicant/Assignee:
VISIONARY MEDICAL INC,
Inventor(s):
SHEEHAN David M,
NITZBERG Mark J,
FITZGERALD Patrick J,
Patent and Priority Information (Country, Number, Date):
Patent: WO 200025192 A2 20000504 (WO 0025192)
Application: WO 99US24965 19991022 (PCT/WO US9924965)
Priority Application: US 98105692 19981026
Designated States: AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZA ZW GH GM KE LS MW SD SL SZ TZ UG ZW AM AZ BY KG KZ MD RU TJ TM AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG
Publication Language: English

Fulltext Word Count: 6110
Main International Patent Class: **G06F-017/60**
Fulltext Availability:
Detailed Description

Detailed Description
... be a computer connected to one or more communications media, such as communication medium 140. **Server** 110 includes appropriate **software** that allows **transfer** of **data** to and from **server** I 10 from remotely located devices and display terininals. Additionally, server 110 will include appropriate...

20/3,K/56 (Item 39 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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00560558 **Image available**
ELECTRONIC RECORD MANAGEMENT SYSTEM
SYSTEME DE GESTION D'ENREGISTREMENTS ELECTRONIQUES
Patent Applicant/Assignee:
JACOBSON FAMILY HOLDINGS LLC,
Inventor(s):
JACOBSON Andrea M,
Patent and Priority Information (Country, Number, Date):
Patent: WO 200023931 A2 20000427 (WO 0023931)
Application: WO 99US24549 19991020 (PCT/WO US9924549)
Priority Application: US 98175589 19981020
Designated States: AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CR CU CZ DE DK DM EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW GH GM KE LS MW SD SL SZ TZ UG ZW AM AZ BY KG KZ MD RU TJ TM AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG
Publication Language: English
Fulltext Word Count: 15355

Main International Patent Class: **G06F-017/60**
Fulltext Availability:
Detailed Description

Detailed Description
... machine and setting specific to the network user from the workstation's operating system. Machine **settings** may include hardware profile including serial number, system specifications, software including licensed **software** , non licensed **software** (i.e., personal **software** installed by the **network** user), **software** drivers, memory status, **system diagnostics** , and other **information** . **Network** user information may include the **network** systems logon status, access status (e.g. remote access or local), network status, software configurations...

20/3,K/57 (Item 40 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
(c) 2003 WIPO/Univentio. All rts. reserv.

00554427 **Image available**
REDUCING RISK USING BEHAVIORAL AND FINANCIAL REWARDS
REDUCTION DES RISQUES AU MOYEN DE RECOMPENSES FINANCIERES ET

COMPORTEMENTALES
Patent Applicant/Assignee:
HEALTH HERO NETWORK INC,
Inventor(s):
BROWN Stephen J,
Patent and Priority Information (Country, Number, Date):
Patent: WO 200017800 A1 20000330 (WO 0017800)
Application: WO 99US22020 19990922 (PCT/WO US9922020)
Priority Application: US 98159058 19980923
Designated States: AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZA ZW GH GM KE LS MW SD SL SZ TZ UG ZW AM AZ BY KG KZ MD RU TJ TM AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG
Publication Language: English
Fulltext Word Count: 5526
Main International Patent Class: **G06F-017/60**
Fulltext Availability:
Detailed Description

Detailed Description
... device 110) by using a series of questions or by using bio-medical sensors. The **medical information** is gathered according to a **protocol** provided by the **server device** 120. This **medical information** is **sent** to a **server device**
16
that performs an 'evaluate patient information' step 303 that determines one or more risk...

20/3,K/58 (Item 41 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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00526287 **Image available**
SCALABLE FAULT TOLERANT NETWORK INFORMATION SERVER
SERVEUR D'INFORMATION DE RESEAU EVOLUTIF ET A TOLERANCE DE PANNES
Patent Applicant/Assignee:
QUAD RESEARCH,
DELLACONA Richard,
Inventor(s):
DELLACONA Richard,
Patent and Priority Information (Country, Number, Date):
Patent: WO 9957639 A1 19991111
Application: WO 99US7284 19990401 (PCT/WO US9907284)
Priority Application: US 9871282 19980501
Designated States: AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW GH GM KE LS MW SD SL SZ UG ZW AM AZ BY KG KZ MD RU TJ TM AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG
Publication Language: English
Fulltext Word Count: 5486
Main International Patent Class: **G06F-011/14**
Fulltext Availability:
Detailed Description

Detailed Description

... off-line, and to switch them on as they are placed on-line, allowing the **information** system to be ftilly hot-swappable.

Referring to Fig. 5, the **information server** system 10 typically is connected between users calling using the SS7 **protocol** , **forwarded** to the **server** system by a central office (CO) 30 through a T1 carrier line to a first...

20/3,K/59 (Item 42 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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00510339 **Image available**
METHOD AND SYSTEM FOR REMOTELY VIEWING AND CONFIGURING OUTPUT FROM A MEDICAL IMAGING DEVICE
PROCEDE ET SYSTEME POUR VISUALISER ET CONFIGURER A DISTANCE LES DONNEES DE SORTIE D'UN DISPOSITIF D'IMAGERIE MEDICAL
Patent Applicant/Assignee:
EASTMAN KODAK COMPANY,
Inventor(s):
GROEZINGER John L,
Patent and Priority Information (Country, Number, Date):
Patent: WO 9941691 A1 19990819
Application: WO 98US18008 19980831 (PCT/WO US9818008)
Priority Application: US 9823551 19980213
Designated States: AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW GH GM KE LS MW SD SZ UG ZW AM AZ BY KG KZ MD RU TJ TM AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG
Publication Language: English
Fulltext Word Count: 4314
Main International Patent Class: **G06F-019/00**
Fulltext Availability:
Detailed Description

Detailed Description
... modalities 120 communicate input images to medical imagers 130 for forming on imaging elements. Unlike **imaging system** 10, **medical modalities** 120
communicates the input images over **network** 13 5 using a suitable network
protocol . For example, in one embodiment, network 135 is an Ethernet network using twisted pair, coaxial...

20/3,K/60 (Item 43 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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00451452 **Image available**
NETWORK ENHANCED BIOS ENABLING REMOTE MANAGEMENT OF A COMPUTER WITHOUT A FUNCTIONING OPERATING SYSTEM
BIOS AMELIORE SUR RESEAU PERMETTANT LA GESTION A DISTANCE D'UN ORDINATEUR SANS SYSTEME D'EXPLOITATION FONCTIONNANT SUR L'ORDINATEUR
Patent Applicant/Assignee:
PHOENIX TECHNOLOGIES LIMITED,
Inventor(s):

RAKAVY Yuval,
ANDERSON Ian,
GARSTEN Andrew,
ROCHE James,
BURTON Michael Peter R,
Patent and Priority Information (Country, Number, Date):
Patent: WO 9841916 A1 19980924
Application: WO 98US5534 19980319 (PCT/WO US9805534)
Priority Application: US 97821745 19970320
Designated States: AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM GW HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW GH GM KE LS MW SD SZ UG ZW AM AZ BY KG KZ MD RU TJ TM AT BE CH DE DK ES FI FR GB GR IE IT LU MC NL PT SE BF BJ CF CG CI CM GA GN ML MR NE SN TD TG
Publication Language: English
Fulltext Word Count: 14351

Main International Patent Class: **G06F-009/06**
Fulltext Availability:
Detailed Description

Detailed Description
... The system manager remote from the computer then has the option to transfer the diagnostic **information** to his computer using an **application** exploiting the **transmission** mechanisms of the **network** 47
SUBSTITUTE SHEET (RULE 26)
enhanced BIOS before attempting to reload the computer's operating **system** .

Special **Diagnostic** State
As noted above, the BIOS preferably includes a special diagnostic state whereby loading of...

20/3,K/61 (Item 44 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT

00449254 **Image available**
DISTRIBUTED DIAGNOSTIC SYSTEM
SYSTEME DE DIAGNOSTIC DISTRIBUE
Patent Applicant/Assignee:
EMERSON ELECTRIC CO,
Inventor(s):
DIVLJAKOVIC Vojislav,
GRUDKOWSKI Thomas,
KLINE Joseph A,
BONNET Austin H,
BUCKLEY George W,
LYNCH James P,
ALGUINDIGUE Israel E,
QUIST Nancy L,
BAUER Robert P,
HANNULA Roland I,
Patent and Priority Information (Country, Number, Date):
Patent: WO 9839718 A1 19980911
Application: WO 98US4288 19980304 (PCT/WO US9804288)
Priority Application: US 9739799 19970304

Designated States: AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH HU IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK TJ TM TR TT UA UG UZ VN YU GH GM KE LS MW SD SZ UG ZW AM AZ BY KG KZ MD RU TJ TM AT BE CH DE DK ES FI FR GB GR IE IT LU MC NL PT SE BF BJ CF CG CI CM GA GN ML MR NE SN TD TG
Publication Language: English
Fulltext Word Count: 19919

Main International Patent Class: **G06F-017/60**
Fulltext Availability:
Detailed Description

Detailed Description
... embodiment, the site processor 14 is a personal computer that is running a global neural **network program** that **receives** as its inputs the **information** from the local monitoring devices 12 and provides as outputs **information** representative of the operating characteristics of the various machines I 1. As explained more fully...

20/3,K/62 (Item 45 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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00446054 **Image available**
OPENBUS SYSTEM FOR CONTROL AUTOMATION NETWORKS INCORPORATING FUZZY LOGIC CONTROL
SYSTEME DE BUS OUVERT POUR RESEAUX D'AUTOMATISATION DE COMMANDE A COMMANDE LOGIQUE FLOUE
Patent Applicant/Assignee:
AZARYA Arnon,
AZARYA Yitzhak,
Inventor(s):
AZARYA Arnon,
AZARYA Yitzhak,
Patent and Priority Information (Country, Number, Date):
Patent: WO 9836518 A2 19980820
Application: WO 98IL43 19980129 (PCT/WO IL9800043)
Priority Application: US 97790974 19970130
Designated States: AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM GW HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW GH GM KE LS MW SD SZ UG ZW AM AZ BY KG KZ MD RU TJ TM AT BE CH DE DK ES FI FR GB GR IE IT LU MC NL PT SE BF BJ CF CG CI CM GA GN ML MR NE SN TD TG
Publication Language: English
Fulltext Word Count: 21643

Main International Patent Class: **G06F-015/16**
Fulltext Availability:
Detailed Description

Detailed Description
... of the industrial control system from the sensor all the way to a high level **information** system. Plant maintenance personnel can access devices at any point in the **network** , gather **data** and make modifications. Service technicians can **download** new **software** to devices in the field using Java applets received through an **Intranet** or **Internet** connection. If technical support is required, a direct line can be established with a customer...

20/3,K/63 (Item 46 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT

00433894
SYSTEM FOR DOWNLOADING AND REPORTING MEDICAL INFORMATION
SYSTEME POUR TELECHARGER ET TRANSMETTRE DES RENSEIGNEMENTS MEDICAUX
Patent Applicant/Assignee:
ENACT HEALTH MANAGEMENT SYSTEMS,
FENSON Eitan,
TACKLIND Christopher A,
SANDERS Matthew H,
Inventor(s):
FENSON Eitan,
TACKLIND Christopher A,
SANDERS Matthew H,
Patent and Priority Information (Country, Number, Date):
Patent: WO 9824358 A2 19980611
Application: WO 97US21747 19971202 (PCT/WO US9721747)
Priority Application: US 96753966 19961204; US 9750528 19970623
Designated States: AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US US UZ VN YU ZW GH KE LS MW SD SZ UG ZW AM AZ BY KG KZ MD RU TJ TM AT BE CH DE DK ES FI FR GB GR IE IT LU MC NL PT SE BF BJ CF CG CI CM GA GN ML MR NE SN TD TG
Publication Language: English
Fulltext Word Count: 6976

Main International Patent Class: **G06F-015/163**
Fulltext Availability:
Detailed Description
Claims

Detailed Description
... requestor.

SUMMARY OF THE INVENTION
In one aspect of the present invention, the world wide- **web** (**WWW**) is utilized as a universal front end for a **medical** monitoring **device** . **Information** from the device is communicated to a personal computer executing standard **web** **browser** software. A CGI form or applet, executed by the **web** **browser** **software** , **receives** the communicated **information** and functions as the front end of the device. Thus, a high resolution personal computer...
...at the requestor's computer.

In one aspect of the present invention, the worldL wide- **web** (**WWW**) is utilized to provide an enhanced interface to a **medical** monitoring **device** . **Information** from the device is communicated to a personal computer executing standard **web** **browser** software. A CGI form or applet, executed by the **web** **browser** **software** , **receives** the communicated **information** and functions as the

Claim
... key codes generated by the keyboard and executing,

said client computer for receiving a medical **information** file from the **medical device** formatted as key codes and executing a **browser** application which displays a **data** transfer page generated by the host computer and that inputs said key codes of the **medical information** file and **transmits** the key codes to the **server program** executing on the host computer.

6 . A **system** for delivering medical reports generated at a central location and utilizing information stored in a...

...providing medical measurement information output by a mqdical measurement devices to a central database, said **system** comprising:
a host computer, connected to a **network** and executing a **server** program and database **software** for receiving **medical information data** encoded in an output format utilized by **web - browser applications** , said host computer configured to process received **medical information data** to enter **medical** linformation into said database;
a client computer, connected to a **network** and including standard I/O ports and a display **device** ;
a data output interface, coupled to a medical measurement device, for providing compatible medical information...

...and
a processor included in said personal computer, executing web-browser software to display a **data** -communication page and configured to process received medical **information data** provided by said **medical** measurement **device** , and to transfer received medical **information data** over a **network** to said host computer.
10 A system medical **information** management system for receiving medical inf6rmation measured by a plurality of medical measurement devices and...

20/3,K/64 (Item 47 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT

00424630 **Image available**
SYSTEM FOR NETWORK COMMUNICATION OF IMAGE INFORMATION BETWEEN IMAGING DEVICES ACCORDING TO MULTIPLE PROTOCOLS
SYSTEME DE COMMUNICATION PAR RESEAU D'INFORMATIONS D'IMAGE ENTRE DES DISPOSITIFS D'IMAGERIE SELON DES PROTOCOLES MULTIPLES
Patent Applicant/Assignee:
IMATION CORP,
Inventor(s):
SIEFFERT Kent J,
IHLENFELDT Andrew R,
Patent and Priority Information (Country, Number, Date):
Patent: WO 9815092 A1 19980409
Application: WO 97US17407 19971002 (PCT/WO US9717407)
Priority Application: US 96720882 19961004
Designated States: AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW GH KE LS MW SD SZ UG ZW AM AZ BY KG KZ MD RU TJ TM AT BE CH DE DK ES FI FR GB GR IE IT LU MC NL PT SE BF BJ CF CG CI CM GA GN ML MR NE SN TD

TG
Publication Language: English
Fulltext Word Count: 19998

International Patent Class: **G06F-19:00**
Fulltext Availability:
Detailed Description
Claims

Detailed Description
... components, one or more network executive components, and an interface executive component.

Each of the **network** driver components is configured to **receive** **medical** **image** **information** from one of the input imaging **devices** via a **network** interface.

The **medical** **image** **information** is **received** according to one of a plurality of different **network** driver **protocols** . Each of the network driver **protocols** is specifically associated with one of the input imaging devices.

Each of the network interpreter...

Claim
... of a plurality of different laser imagers (I 8) via a network interface (28), the **software** **system** comprising:
one or more network interface components (33), each of the **network** interface components being configured to receive **medical** **image** **information** from one of the **medical** **imaging** modalities via the **network** interface, the **medical** **image** **information** being **received** according to one of a plurality of different **network** interface **protocols** , wherein each of the network interface **protocols** is specifically associated with one of the medical imaging **modalities** , and to generate first imaging requests based on the received medical image information, the first...

20/3,K/65 (Item 48 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT

00418748 **Image available**
SYSTEMS AND METHODS FOR SECURE TRANSACTION MANAGEMENT AND ELECTRONIC RIGHTS PROTECTION
SYSTEMES ET PROCEDES DE GESTION DE TRANSACTIONS SECURISEES ET DE PROTECTION DE DROITS ELECTRONIQUES
Patent Applicant/Assignee:
INTERTRUST TECHNOLOGIES CORP,
Inventor(s):
GINTER Karl L,
SHEAR Victor H,
SIBERT W Olin,
SPAHN Francis J,
VAN WIE David M,
Patent and Priority Information (Country, Number, Date):
Patent: WO 9809209 A1 19980305
Application: WO 97US15243 19970829 (PCT/WO US9715243)

Priority Application: US 96706206 19960830
Designated States: AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH HU IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW GH KE LS MW SD SZ UG ZW AM AZ BY KG KZ MD RU TJ TM AT BE CH DE DK ES FI FR GB GR IE IT LU MC NL PT SE BF BJ CF CG CI CM GA GN ML MR NE SN TD TG
Publication Language: English
Fulltext Word Count: 195626

Main International Patent Class: **G06F-001/00**
Fulltext Availability:
Detailed Description

Detailed Description
... in the preferred embodiment. For example, 'high end" implementations of SPE 503 (e.g., 'in **server** devices) should preferably include multi-tasking with 'preemptive scheduling,' Desktop **applications** may be able to use a simpler SPE 503, although they may still require concurrent...

20/3,K/66 (Item 49 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
(c) 2003 WIPO/Univentio. All rts. reserv.

00360816 **Image available**
COMPUTER-IMPLEMENTED METHOD FOR PROFILING MEDICAL CLAIMS
PROCEDE INFORMATIQUE SERVANT A ETABLIR UN PROFIL DES RECLAMATIONS AU TITRE DE FRAIS MEDICAUX
Patent Applicant/Assignee:
SYMMETRY HEALTH DATA SYSTEMS INC,
Inventor(s):
DANG Dennis K,
Patent and Priority Information (Country, Number, Date):
Patent: WO 9701141 A1 19970109
Application: WO 96US10787 19960624 (PCT/WO US9610787)
Priority Application: US 95493728 19950622
Designated States: AU CA JP AT BE CH DE DK ES FI FR GB GR IE IT LU MC NL PT SE
Publication Language: English
Fulltext Word Count: 21067

Main International Patent Class: **G06F-015/00**
Fulltext Availability:
Claims
Claim
... it may be run from a stand-alone computer or exist in a client-server **system** , for example a local area **network** (**LAN**) or wide area **network** (**WAN**). Once relevant **medical** claim **data** is input, claims **data** is processed by **loading** the computer **program** into the computer system memory. During set-up of the program onto the 5 computer...

20/3,K/67 (Item 50 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
(c) 2003 WIPO/Univentio. All rts. reserv.

00314327 **Image available**
IMPROVED SYSTEM FOR MONITORING AND REPORTING MEDICAL MEASUREMENTS
SYSTEME AMELIORE POUR CONTROLER ET ETABLIR DES RAPPORTS SUR DES MESURES

MEDICALES
Patent Applicant/Assignee:
ENACT PRODUCTS INC,
TACKLIND Christopher A,
SANDERS Matthew H,
WALNE Geoffrey B,
Inventor(s):
TACKLIND Christopher A,
SANDERS Matthew H,
WALNE Geoffrey B,
Patent and Priority Information (Country, Number, Date):
Patent: WO 9532480 A1 19951130
Application: WO 95US6525 19950522 (PCT/WO US9506525)
Priority Application: US 94247727 19940523
Designated States: AM AT AU BB BG BR BY CA CH CN CZ DE DK EE ES FI GB GE HU IS JP KE KG KP KR KZ LK LR LT LU LV MD MG MN MW MX NO NZ PL PT RO RU SD SE SG SI SK TJ TM TT UA US UZ VN KE MW SD SZ UG AT BE CH DE DK ES FR GB GR IE IT LU MC NL PT SE BF BJ CF CG CI CM GA GN ML MR NE SN TD TG
Publication Language: English
Fulltext Word Count: 8638

Main International Patent Class: **G06F-019/00**
...International Patent Class: **G06F**
Fulltext Availability:
Claims

Claim
... time and date when the measurement is taken and said micro-controller for initiating a **data transfer protocol** to **transfer** stored transmit **data** records, including said ID code, via said communication **network** in response to receiving a first control signal from the user input device; and a...

20/3,K/68 (Item 51 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT

00297370 **Image available**
PC BASED ULTRASOUND DEVICE WITH VIRTUAL CONTROL USER INTERFACE
DISPOSITIF A ULTRASONS SUR PC AVEC INTERFACE UTILISATEUR A COMMANDE VIRTUELLE
Patent Applicant/Assignee:
PERCEPTION INC,
Inventor(s):
VARA Albert,
GLENN William E,
MARCINKA John W,
DHEIN Robert L,
Patent and Priority Information (Country, Number, Date):
Patent: WO 9515521 A2 19950608
Application: WO 94US13624 19941128 (PCT/WO US9413624)
Priority Application: US 93159333 19931129
Designated States: AM AT AU BB BG BR BY CA CH CN CZ DE DK ES FI GB GE HU JP KE KG KP KR KZ LK LT LU LV MD MG MN MW NL NO NZ PL PT RO RU SD SE SI SK TJ TT UA UZ VN KE MW SD SZ AT BE CH DE DK ES FR GB GR IE IT LU MC NL PT SE BF BJ CF CG CI CM GA GN ML MR NE SN TD TG

Publication Language: English
Fulltext Word Count: 11074
Main International Patent Class: **G06F-013/00**
...International Patent Class: **G06F-15:62**
Fulltext Availability:
Detailed Description

Detailed Description
... which are recorded in the memory unit of the ultrasound processor, to annotate recently acquired **ultrasound images** , preferably in color, such that the **ultrasound electronic images** and associated annotations can be **electronically transferred** from the ultrasound processor to other peripheral computer **equipment** , and a checklist for medical **protocol** involved in the ultrasound medical techniques.

The medical protocol is loaded as pull down or...

20/3,K/69 (Item 52 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT

00294708 **Image available**
MEDICAL TRANSACTION SYSTEM
SYSTEME DE TRANSACTION POUR LE DOMAINE MEDICAL
Patent Applicant/Assignee:
MEDICAL MANAGEMENT RESOURCES INC,
Inventor(s):
BURKS James L,
SCHICK Robert R,
SCHWEITZER Sheila H,
Patent and Priority Information (Country, Number, Date):
Patent: WO 9512857 A1 19950511
Application: WO 94US12633 19941102 (PCT/WO US9412633)
Priority Application: US 93147156 19931102
Designated States: AM AT AU BB BG BR BY CA CH CN CZ DE DK EE ES FI GB GE HU JP KE KG KP KR KZ LK LR LT LU LV MD MG MN MW NL NO NZ PL PT RO RU SD SE SI SK TJ TT UA UZ VN KE MW SD SZ AT BE CH DE DK ES FR GB GR IE IT LU MC NL PT SE BF BJ CF CG CI CM GA GN ML MR NE SN TD TG
Publication Language: English
Fulltext Word Count: 28151

Main International Patent Class: **G06F-017/60**
Fulltext Availability:
Claims

Claim
... the invention includes the capability of receiving data messages which include adjudicated claim and remittance **information** from the computer stations at the insurance carriers. The **medical** transaction **system** of this embodiment further includes a financial transactor that processes the remittance **information** to generate **electronic** funds transfer messages that may be transmitted to the financial institutions to transfer money from...

...to compile information from the remittance and electronic funds transfer messages and associate the compiled **information** with the generic records in the database generated from the medical **data** requests. Thus, the **medical** transaction **system** can generate a database from the medical

transaction requests, the remittance messages, and the **electronic** funds transfer messages. This database may be statistically analyzed off-line or in a real...each
trading partner and in accordance with the communication protocol for that trading partner. The **data** messages from the trading partners to 1 5 the **medical** transaction **system** 1 8 include remittance and claim adjudication **information** from payors, **electronic** funds transfer messages to financial institutions, and medical **data** records from insurance carriers and medical service sites such as laboratories and the like. As explained in more detail below, the **medical** transaction **system**
18 uses the remittance and claim adjudication **information** from payors to generate the **electronic** fund transfer messages for debiting and crediting accounts at the financial institutions. - 17
As explained...

```
Set     Items   Description
S1       1377   AU=(KORITZINSKY, I? OR KORITZINSKY I? OR REICH J? OR REICH,
             J?)
S2   10536600   DIAGNOS? OR MEDICAL? OR ULTRASOUND? OR ULTRA()SOUND? OR TO-
            MOGRAPH? OR NMR OR MRI OR XRAY? OR X()RAY?
S3   10614005   IMAG??? OR SCAN? OR DATA? ? OR INFO OR INFORMATION
S4    5741523   PROTOCOL? OR PROGRAM? OR SOFTWARE? OR APPLICATION?
S5     868422   PRESET? OR PRE()SET? ? OR SETTING? OR MODALIT?
S6    5369479   IMPORT? ? OR TRANSFER? OR TRANSMI? OR FORWARD? OR SEND? OR
          SENT OR DOWNLOAD? OR RECEIV? OR LOADING?
S7   15657523   DEVICE? OR EQUIPMENT? OR APPARATUS? OR MACHINE OR SYSTEM?
S8    3057986   ONLINE OR ON()LINE OR INTERNET OR INTRANET OR EXTRANET OR -
            WEB? OR HOMEPAGE OR HOME()PAGE OR NETWORK? OR PORTAL? OR WWW -
            OR CYBER? OR LAN OR WAN OR ELECTRONIC? OR SERVER? OR BROWSER?
S9     854109   S2(5N)S3
S10       247   S9 AND S8 AND S4 AND S7 AND S5 AND S6
S11    397883   S2(2N)S7
S12     47976   S6(2N)S4
S13        72   S11(20N)S12
S14        13   S13 AND S8 AND S3
S15     16930   S9(15N)S8
S16      1991   S15(15N)S4
S17      1388   S16 AND S7
S18        74   S17 AND S5
S19        82   (S18 OR S13) NOT PY>1998
S20        82   S19 NOT PD=19981125:20030103
S21        64   RD (unique items)
? show files
File   2:INSPEC 1969-2002/Dec W3
         (c) 2002 Institution of Electrical Engineers
File  35:Dissertation Abs Online 1861-2003/Dec
         (c) 2003 ProQuest Info&Learning
File  65:Inside Conferences 1993-2003/Dec W5
         (c) 2003 BLDSC all rts. reserv.
File  99:Wilson Appl. Sci & Tech Abs 1983-2002/Nov
         (c) 2002 The HW Wilson Co.
File 233:Internet & Personal Comp. Abs. 1981-2002/Dec
         (c) 2002 Info. Today Inc.
File 474:New York Times Abs 1969-2002/Dec 31
         (c) 2002 The New York Times
File 475:Wall Street Journal Abs 1973-2003/Jan 02
         (c) 2003 The New York Times
File 583:Gale Group Globalbase(TM) 1986-2002/Dec 13
         (c) 2002 The Gale Group
File   5:Biosis Previews(R) 1969-2002/Dec W5
         (c) 2002 BIOSIS
File  73:EMBASE 1974-2003/Dec W5
         (c) 2003 Elsevier Science B.V.
File 155:MEDLINE(R) 1966-2002/Dec W3
File  34:SciSearch(R) Cited Ref Sci 1990-2002/Dec W5
         (c) 2002 Inst for Sci Info
File 434:SciSearch(R) Cited Ref Sci 1974-1989/Dec
         (c) 1998 Inst for Sci Info
```

21/5/1 (Item 1 from file: 2)
DIALOG(R)File 2:INSPEC

6401497 INSPEC Abstract Number: C1999-12-7140-024
Title: 1997 AMIA Annual Fall Symposium. A Conference of the American Medical Informatics Association. Proceedings
Editor(s): Masys, D.R.
Publisher: Hanley & Belfus, Philadelphia, PA, USA
Publication Date: 1997 Country of Publication: USA xl+1059 pp.
Material Identity Number: XX-1997-02633
Conference Title: Proceedings of 1997 AMIA Annual Fall Symposium The Emergence of Internetable Health Care Systems that Really Work
Conference Date: 25-29 Oct. 1997 Conference Location: Nashville, TN, USA
Language: English Document Type: Conference Proceedings (CP)
Treatment: Practical (P)
Abstract: The following topics are dealt with: internetable health care **systems** ; clinical information management; clinical data linking; confidentiality protection; ambulatory care **systems** ; data modeling and communications; clinical **systems** design and evaluation; planning, outcomes and reusability; medical expert **systems** and algorithms; care guidelines and **protocols** ; pattern recognition and knowledge acquisition from clinical data; health information **networks** ; telemedicine on the **Internet** ; regional **networks** for telemedicine; **medical images** and nontextual **data** ; **image** content analysis; anatomic structure evaluation; **medical information** retrieval and digital libraries; **medical** standards and policy; controlled clinical vocabulary; natural language processing; concept modeling and representation; medical terminology standards; medical training and information management; user interface issues in clinical **settings** ; and WWW interfaces to health care **systems** .

Subfile: C
Descriptors: database management **systems** ; digital libraries; expert **systems** ; health care; information resources; information retrieval; Internet; medical administrative data processing; medical computing; medical image processing; natural languages; records management; standards; telemedicine; user interfaces; vocabulary
Identifiers: internetable health care **systems** ; clinical information management; clinical data linking; confidentiality protection; ambulatory care **systems** ; data modeling; data communications; clinical **systems** design; planning; medical expert **systems** ; care guidelines; pattern recognition; knowledge acquisition; health information networks; telemedicine; Internet; regional networks; medical images; nontextual data; image content analysis; anatomic structure evaluation; medical information retrieval; digital libraries; medical standards; controlled clinical vocabulary; natural language processing; concept modeling; medical terminology standards; medical training; information management; user interface issues; clinical **settings** ; WWW interfaces; health care **systems**
Class Codes: C7140 (Medical administration); C7330 (Biology and medical computing); C7104 (Office automation); C6170 (Expert systems and other AI software and techniques); C7210N (Information networks); C6150N (Distributed systems software); C5260B (Computer vision and image processing techniques); C7250R (Information retrieval techniques); C7240 (Information analysis and indexing); C6180N (Natural language processing); C7820 (Humanities computing); C6180 (User interfaces); C6160 (Database management systems (DBMS))

21/5/2 (Item 2 from file: 2)
DIALOG(R)File 2:INSPEC

6383776 INSPEC Abstract Number: A1999-23-8760F-012, B1999-12-7510J-014
Title: Some applications of optical fibers in medicine and disturbances in biomedical area
Author(s): Sreckovic, M.; Pantelic, S.; Marinovic, A.; Tomic, Z.; Nikolic, D.; Travica, S.; Uskokovic, P.; Aleksic, R.
Author Affiliation: Fac. of Electr. Eng., Belgrade, Yugoslavia
Journal: Proceedings of the SPIE - The International Society for Optical Engineering Conference Title: Proc. SPIE - Int. Soc. Opt. Eng. (USA) vol.3573 p.624-7
Publisher: SPIE-Int. Soc. Opt. Eng,
Publication Date: 1998 Country of Publication: USA
CODEN: PSISDG ISSN: 0277-786X
SICI: 0277-786X(1998)3573L.624:SAOF;1-4
Material Identity Number: C574-1998-216
U.S. Copyright Clearance Center Code: 0277-786X/98/$10.00
Conference Title: OPTIKA '98: 5th Congress on Modern Optics
Conference Sponsor: SPIE; Int. Comm. Opt.; Hungarian Nat. Committe for Tech. Dev. Found. Ind.; et al
Conference Date: 14-17 Sept. 1998 Conference Location: Budapest, Hungary
Language: English Document Type: Conference Paper (PA); Journal Paper (JP)
Treatment: Applications (A); Experimental (X)
Abstract: The development of **medical equipment** , telecommunications and computer technology provides new possibilities for diagnostic purposes. Usually, it is necessary to use optical image or noise **transmission** . The **application** of the **medical system** with a system of optical fibers determines specific requirements of parameters and characteristics given in the paper. The optical fiber as a medium has some limits, versus energy and a quantity of information which could be propagated and distortionless detected and demodulated. Therefore, the fiber systems in different fibers dispositions are relayed in various applications schemes. In the first approximations (very often in many cases of applications) the fiber transmits the optical signal (the part of optical image) without affecting signals in other fibers. In that application, the placement of each fiber in the system must be well defined (equal on both ends). A large number of fibers (about 10000) are needed for coherent systems with high resolution. The quality of transmission depends on possible damages in the system and attenuation of each fiber. One of the devices for optical transmission, frequently used in medical diagnostics, is the endoscope. (6 Refs)
Subfile: A B
Descriptors: biomedical imaging; optical fibres; optical noise
Identifiers: medical equipment; telecommunications; computer technology; diagnostic purposes; optical image transmission; noise transmission; optical fibers; biomedical area; fiber systems; fibers dispositions; applications schemes; optical signal; coherent systems; attenuation; endoscope; medical diagnostics
Class Codes: A8760F (Optical and laser radiation (medical uses)); A8770E (Patient diagnostic methods and instrumentation); A4281 (Fibre optics and fibre waveguides); B7510J (Optical and laser radiation (biomedical imaging/measurement)); B4125 (Fibre optics)

21/5/3 (Item 3 from file: 2)
DIALOG(R)File 2:INSPEC

6338299 INSPEC Abstract Number: C1999-10-3210T-001
Title: Digital output transmitters improve shutdown performance
Author(s): Oxenberg, S.M.
Author Affiliation: Honeywell Inc., Fort Washington, PA, USA
Conference Title: ISA EXPO 98. International Conference and Exposition for Advancing Measurement and Control Technologies, Products, and Services. Automation and Control Issues and Solutions Part vol.6 p.1-5 vol.6
Publisher: ISA, Research Triangle Park, NC, USA
Publication Date: 1998 Country of Publication: USA 6 vol. (xiv+228+xii+106+122+88+158+xiii+160) pp.
ISBN: 1 55617 672 4 Material Identity Number: XX-1999-01912
Conference Title: Proceedings of Annual Meeting of the International Society for Measurement and Control
Conference Date: 19-22 Oct. 1998 Conference Location: Houston, TX, USA
Language: English Document Type: Conference Paper (PA)
Treatment: Applications (A); Practical (P)
Abstract: Digital communications enable accurate, secure measurements and **device diagnostics** that ensure **system** integrity. Use of traditional analog output **transmitters** in shutdown **applications** allow other conditions to affect the validity of the signal going into the interlock device and thereby affecting the trip action. For many years users have become accustomed to compensating for the lack of process measurement validity by adding time delays. With digitally communicating transmitters, that uncertainty can be eliminated, shutdown response time can be improved and the likelihood of a false shutdown can be minimized. In dual or triplicated safety shutdown systems the implementation costs can be reduced. (0 Refs)
Subfile: C
Descriptors: distributed control; process control; safety systems; transmitters
Identifiers: digital output transmitters; shutdown performance; secure measurements; device diagnostics; system integrity; trip action; response time; false shutdown; safety shutdown systems; implementation costs
Class Codes: C3210T (Signal conditioning for control systems); C3370L (Control applications in remote signalling, dispatching and safety devices); C3350 (Control in industrial production systems); C3355 (Control applications in manufacturing processes)

21/5/4 (Item 4 from file: 2)
DIALOG(R)File 2:INSPEC

6189637 INSPEC Abstract Number: B1999-04-7550-017, C1999-04-7330-210
Title: A low cost DICOM review station for cardiac surgery
Author(s): Gerritsen, M.G.; Dijk, W.A.; Waterbolk, T.W.; Mook, P.H.; van der Velde, W.; can der Putten, N.; Dassen, W.R.M.; Baljon, M.H.
Author Affiliation: Thorax Center, Groningen Univ. Hosp., Netherlands
Conference Title: Computers in Cardiology 1998. Vol. 25 (Cat. No.98CH36292) p.473-6
Publisher: IEEE, New York, NY, USA
Publication Date: 1998 Country of Publication: USA xxvi+789 pp.
ISBN: 0 7803 5200 9 Material Identity Number: XX-1998-03485
U.S. Copyright Clearance Center Code: 0276-6547/98/$10.00
Conference Title: Computers in Cardiology 1998. Vol. 25
Conference Date: 13-16 Sept. 1998 Conference Location: Cleveland, OH, USA
Language: English Document Type: Conference Paper (PA)

Treatment: Practical (P)
Abstract: A low-cost PC based DICOM multi **modality** review station for cardiac surgery has been developed for use during minimally invasive Coronary Surgery. This **system** is a Windows 95 networked PC for review of DICOM coronary catheterization, ultrasound and MRI cine's stored at a departmental image server. For fast review a specific one-heartbeat sequence out of a coronary catheterization selected by an **application** departmental **image server** . The **Ultrasound** studies, acquired by Vingmed **System** 5 and stored in an Echopac archive, are exported as DICOM files to the same server. The MRI studies are pushed as DICOM messages from an Agfa Picture Archiving and Communication **System** (PACS) to this image file server and automatically converted to DICOM file format. The RuboMed v 1.00 DICOM PC DICOM viewer is used to review the multi-modal cine's and the patient data. The review station does not require expensive hardware and software to provide for easy, direct and transparent review of multi-modal DICOM cines stored at a central departmental image file server. (8 Refs)
Subfile: B C
Descriptors: biomedical MRI; biomedical ultrasonics; cardiology; medical image processing; microcomputer applications; PACS; surgery; workstations
Identifiers: low cost DICOM review station; cardiac surgery; image file server; DICOM file format; RuboMed v 1.00 DICOM PC DICOM viewer; Windows 95 networked PC; minimally invasive coronary surgery; specific one-heartbeat sequence; coronary catheterization; ultrasound cine images; MRI cine images ; departmental image server
Class Codes: B7550 (Biomedical communication); B7520 (Patient care and treatment); B7510H (Sonic and ultrasonic radiation (biomedical imaging/measurement)); C7330 (Biology and medical computing); C5430 (Microcomputers); C6160S (Spatial and pictorial databases)

21/5/5 (Item 5 from file: 2)
DIALOG(R)File 2:INSPEC

6146771 INSPEC Abstract Number: A1999-05-8760-002, B1999-03-7510-007, C1999-03-7330-039
Title: A Web-based review and teaching tool using server-side DICOM translation
Author(s): Black, R.T.; Hayball, M.P.; Brown, S.J.; Coulden, R.A.R.
Author Affiliation: Papworth Hosp. NHS Trust, Cambridge, UK
Conference Title: CAR '98. Computer Assisted Radiology and Surgery. Proceedings of the 12th International Symposium and Exhibition p.425-9
Editor(s): Lemke, H.U.; Vannier, M.W.; Inamura, K.; Farman, A.G.
Publisher: Elsevier Science, Amsterdam, Netherlands
Publication Date: 1998 Country of Publication: Netherlands xliv+998 pp.
ISBN: 0 444 82973 3 Material Identity Number: XX-1998-01086
Conference Title: Proceeding of 12th International Symposium on Computer Assisted Radiology and Surgery
Conference Date: 24-27 June 1998 Conference Location: Tokyo, Japan
Language: English Document Type: Conference Paper (PA)
Treatment: Practical (P)
Abstract: A **system** has been constructed which allows **medical images** to be viewed over a **network** using a common commercial **Web browser program** . A **server** automatically inserts the images into Web pages which can be displayed on a standard PC. Additionally, the **system** integrates a database of patient demographic data, enabling the return of images in response to database queries and the collection of distributed patient information into a single Web document. Problems of low network bandwidth

are catered for by converting large medical image formats into the compact JPEG standard image format. Angiography studies are included by turning them into multimedia standard movie files. **Modality** -specific image display issues (e.g. windowing of a CT image), are dealt with by server-side programs. Updates to the image display can be made following re-specification of such parameters within the Web document. Access to medical data can be controlled down to patient level and beyond by taking advantage of security features within the browser. (2 Refs)

Subfile: A B C

Descriptors: biomedical education; computer aided instruction; demography ; information resources; medical image processing; medical information **systems** ; microcomputer applications; online front-ends; search engines; security of data

Identifiers: Web-based review tool; Web-based teaching tool; server-side DICOM translation; medical image viewing; Web browser program; image insertion; Web pages; PC; patient demographic database; database queries; distributed patient information collection; Web document; low network bandwidth; large medical image format conversion; compact JPEG standard image format; angiography; multimedia standard movie files; **modality** -specific image display issues; image display updates; medical data access; security features

Class Codes: A8760 (Medical and biomedical uses of fields, radiations, and radioactivity; health physics); A0150H (Instructional computer use for education); B7510 (Biomedical measurement and imaging); B6135 (Optical, image and video signal processing); B0120 (Education and training); C7330 (Biology and medical computing); C5260B (Computer vision and image processing techniques); C7250N (Search engines); C7210N (Information networks); C6130S (Data security); C7810C (Computer-aided instruction)

21/5/6 (Item 6 from file: 2)

DIALOG(R)File 2:INSPEC

6146753 INSPEC Abstract Number: C1999-03-7140-016

Title: Large storage archives can serve multiple strategic purposes

Author(s): Baune, D.; Bookman, G.

Author Affiliation: Dept. of Radiol., Utah Univ., Salt Lake City, UT, USA

Conference Title: CAR '98. Computer Assisted Radiology and Surgery. Proceedings of the 12th International Symposium and Exhibition p.320-5

Editor(s): Lemke, H.U.; Vannier, M.W.; Inamura, K.; Farman, A.G.

Publisher: Elsevier Science, Amsterdam, Netherlands

Publication Date: 1998 Country of Publication: Netherlands xliv+998 pp.

ISBN: 0 444 82973 3 Material Identity Number: XX-1998-01086

Conference Title: Proceeding of 12th International Symposium on Computer Assisted Radiology and Surgery

Conference Date: 24-27 June 1998 Conference Location: Tokyo, Japan

Language: English Document Type: Conference Paper (PA)

Treatment: Applications (A)

Abstract: Electronic archiving of radiology images requires many terabytes of storage and rapid image retrieval. In several hospitals, the data needs of radiology have been met with stand-alone archival **systems** . The use of Veritas HSM/sup TM/ (Hierarchical Storage Management) software enables the high-performance, fault-tolerant data warehouse that has been the heart of standard PACS installations to become a strategic corporate resource. Radiology data storage needs may be large in comparison to some hospital data needs, but one large archive can meet the needs of administrative data processing, research storage, cardiology, pathology and the electronic medical record. By sharing the data repository needs of all

of these services, the single data archive resource can be enhanced to provide many of the fault-tolerant features that no single department could justify putting into an archive. We discuss the design of a fault-tolerant data warehouse, its design goals, day-to-day operations and our use of Veritas HSM/sup TM/ software to keep track of all of the data. A PACS **system** consists of a centrally managed **system** of RAID disks, **software** and tapes. Multi- **modality** high-end PACSs, non-DICOM **images** , **electronic medical** records and ADT **data** storage can be serviced by one well-designed archive. This paper examines the installation of the University of Utah Department of Radiology's PACS **system** and the integration of automated tape archive. The implementation of an automated data archive to serve the many other needs of a large hospital is also discussed. The data management software is discussed in detail. (10 Refs)

Subfile: C

Descriptors: data warehouses; medical information **systems** ; PACS; radiology; RAID; storage management; visual databases

Identifiers: large storage archives; strategic corporate resource; electronic archiving; radiology images; image retrieval; hospitals; radiology; Veritas HSM software; hierarchical storage management software; high-performance fault-tolerant data warehouse; nonDICOM images; radiological data storage; administrative data processing; research storage ; cardiology; pathology; electronic medical record; data repository needs; RAID disks; multi- **modality** high-end PACS; ADT data storage; Utah University; automated tape archive; data management software

Class Codes: C7140 (Medical administration); C6160S (Spatial and pictorial databases); C7330 (Biology and medical computing); C6120 (File organisation)

21/5/7 (Item 7 from file: 2)

DIALOG(R)File 2:INSPEC

6113529 INSPEC Abstract Number: B9902-7510-003, C9902-7140-011

Title: Small PACS implementation using publicly available software

Author(s): Passadore, D.J.; Isoardi, R.A.; Gonzalez Nicolini, F.J.; Ariza, P.P.; Novas, C.V.; Omati, S.A.

Author Affiliation: Fundacion Escuela de Med. Nucl., Mendoza, Argentina

Journal: Proceedings of the SPIE - The International Society for Optical Engineering Conference Title: Proc. SPIE - Int. Soc. Opt. Eng. (USA) vol.3339 p.127-34

Publisher: SPIE-Int. Soc. Opt. Eng,

Publication Date: 1998 Country of Publication: USA

CODEN: PSISDG ISSN: 0277-786X

SICI: 0277-786X(1998)3339L.127:SPIU;1-6

Material Identity Number: C574-98227

U.S. Copyright Clearance Center Code: 0277-786X/98/$10.00

Conference Title: Medical Imaging 1998: PACS Design and Evaluation: Engineering and Clinical Issues

Conference Sponsor: SPIE

Conference Date: 24-26 Feb. 1998 Conference Location: San Diego, CA, USA

Language: English Document Type: Conference Paper (PA); Journal Paper (JP)

Treatment: Applications (A); Practical (P)

Abstract: Building cost effective PACS solutions is a main concern in developing countries. The **Internet** has brought a broad number of freely available **software** packages. In the field of **medical imaging** it is possible to find image format conversion packages, DICOM compliant **servers**

for all kinds of service classes, databases, web servers, image visualization, manipulation and analysis tools, etc. This paper describes a PACS implementation for review and storage built on freely available software. It currently integrates four diagnostic **modalities** (PET, CT, MR and NM), a Radiotherapy Treatment Planning workstation and several computers in a local area network, for image storage, database management and image review, processing and analysis. It also includes a web-based application that allows remote users to query the archive for studies from any workstation and to view the corresponding images and reports. The advantage of using this approach is twofold. It allows a full understanding of all the issues involved in the implementation of a PACS and also contributes to keep costs down while enabling the development of a functional **system** for storage, distribution and review that can prove to be helpful for radiologists and referring physicians. (8 Refs)

Subfile: B C

Descriptors: Internet; local area networks; medical image processing; PACS; public domain software

Identifiers: PACS implementation; publicly available software; developing countries; software packages; Internet; medical imaging; image format conversion packages; DICOM compliant servers; databases; web servers; image visualization; PET; CT; MR; NM; Radiotherapy Treatment Planning workstation ; local area network; database management; image review; web-based application

Class Codes: B7510 (Biomedical measurement and imaging); B6210L (Computer communications); B6135 (Optical, image and video signal processing); C7140 (Medical administration); C7210N (Information networks) ; C6150N (Distributed systems software); C5260B (Computer vision and image processing techniques); C6160S (Spatial and pictorial databases); C7330 (Biology and medical computing); C5620L (Local area networks)

21/5/8 (Item 8 from file: 2)

DIALOG(R)File 2:INSPEC

6090071 INSPEC Abstract Number: C9901-7140-009

Title: Experiences with the integration of a large PACS in Norway

Author(s): Primo, H.; Carpentier, J.

Author Affiliation: Image Manage. Syst., AGFA Med. Div., Mortsel, Belgium

Conference Title: CAR'97. Computer Assisted Radiology and Surgery. Proceedings of the 11th International Symposium and Exhibition p.484-7

Editor(s): Lemke, H.U.; Inamura, K.; Vannier, M.W.

Publisher: Elsevier, Amsterdam, Netherlands

Publication Date: 1998 Country of Publication: Netherlands xxxv+1072 pp.

ISBN: 0 444 82756 0 Material Identity Number: XX97-01666

Conference Title: Proceedings of Computer Assisted Radiology and Surgery. CAR 97

Conference Date: 25-28 June 1997 Conference Location: Berlin, Germany

Language: English Document Type: Conference Paper (PA)

Treatment: Applications (A); Practical (P)

Abstract: A PACS (Picture Archiving and Communication **System**) is an integrated **system** , consisting of **diagnostic imaging modalities** , archiving components, workstations for **diagnosis** and viewing, film **scanners** , hard copy output **devices** , workflow management **software** , digital **networks** , telecommunication infrastructure and connections with the hospital information **system** (HIS) and radiology information **system** (RIS). We report on some of the experiences with the integration of a large PACS in Norway, from the viewpoint of the vendor/integrator. (3 Refs)

Subfile: C
Descriptors: medical image processing; medical information **systems** ; PACS; radiology; visual databases
Identifiers: PACS; Norway; Picture Archiving and Communication **System** ; diagnostic imaging; workstations; film scanners; hard copy output **devices** ; workflow management software; digital networks; hospital information **system** ; radiology information **system**
Class Codes: C7140 (Medical administration); C5260B (Computer vision and image processing techniques); C6160S (Spatial and pictorial databases); C7330 (Biology and medical computing)

21/5/9 (Item 9 from file: 2)
DIALOG(R)File 2:INSPEC

6001981 INSPEC Abstract Number: B9810-7510B-016, C9810-7330-023
Title: The application of wavelets to retinal image compression and its effect on automatic microaneurysm analysis
Author(s): Hansgen, P.; Undrill, P.E.; Cree, M.J.
Author Affiliation: Dept. of Biomed. Phys. & Bioeng., Aberdeen Univ., UK
Journal: Computer Methods and Programs in Biomedicine vol.56, no.1 p.1-10
Publisher: Elsevier,
Publication Date: April 1998 Country of Publication: Ireland
CODEN: CMPBEK ISSN: 0169-2607
SICI: 0169-2607(199804)56:1L.1:AWRI;1-8
Material Identity Number: G493-98002
U.S. Copyright Clearance Center Code: 0169-2607/98/$19.00
Document Number: S0169-2607(98)00006-6
Language: English Document Type: Journal Paper (JP)
Treatment: Practical (P)
Abstract: Compression of radiological images is an effective mechanism for storage and transmission. The use of such images for teleradiology is of increasing importance, with one of the main reasons being the ability to call upon remotely located diagnostic experts. A possibility for future **application** is the **transmission** of images to centres that have developed automated **diagnostic systems** . Whilst many researchers have addressed the problem of how the degradation of image quality with compression ratio affects observer-based diagnostic accuracy, in this paper we examine how software performance is altered by image compression. The ground-truth is the labelling of microaneurysms in fluorescein angiograms of the retina, an automatic image analysis task that has already been rigorously compared to expert opinion using uncompressed images. Wavelet and JPEG compression are found to produce opposite trends in detection. With an understanding of the analysis and compression algorithms, a simple model can describe this behaviour. This suggests that software which is designed to be used reliably on compressed images will need to be adaptive to compression methodology as well as to compression ratio. (19 Refs)
Subfile: B C
Descriptors: computer aided analysis; data compression; eye; image coding ; medical image processing; radiology; wavelet transforms
Identifiers: wavelets; retinal image compression; automatic microaneurysm analysis; radiological images; image storage; image transmission; teleradiology; remotely located diagnostic experts; automated diagnostic systems; image quality degradation; observer-based diagnostic accuracy; software performance; microaneurysm labelling; compression ratio; fluorescein angiograms; automatic image analysis; JPEG compression
Class Codes: B7510B (Radiation and radioactivity applications in

biomedicine); B6120B (Codes); B6140C (Optical information, image and video signal processing); B0230 (Integral transforms); C7330 (Biology and medical computing); C5260B (Computer vision and image processing techniques); C1130 (Integral transforms)

21/5/10 (Item 10 from file: 2)
DIALOG(R)File 2:INSPEC

5829506 INSPEC Abstract Number: C9803-7330-167
Title: A comparative study of nursing diagnosis systems using neural networks and expert systems
Author(s): Kim, J.A.
Author Affiliation: Dept. of Nursing, Kyungsung Coll., Kyungki-do, South Korea
Conference Title: Nursing Informatics. The Impact of Nursing Knowledge on Health Care Informatics p.404-7
Editor(s): Gerdin, U.; Tallberg, M.; Wainwright, P.
Publisher: IOS Press, Amsterdam, Netherlands
Publication Date: 1997 Country of Publication: Netherlands xxv+630 pp.
Material Identity Number: XX97-03223
Conference Title: Nursing Informatics. The Impact of Nursing Knowledge on Health Care Informatics
Conference Date: 1997 Conference Location: Sweden
Language: English Document Type: Conference Paper (PA)
Treatment: Applications (A); General, Review (G)
Abstract: With the growing need in the field, the application of computers in nursing has been frequently studied with the aim of improving the quality of nursing care in Korea. However, the development of useful clinical **programs** has not **received** adequate attention. The aim of this study is to compare two nursing **diagnosis systems** : one involving a neural network and one involving an expert system. The simulated output of each nursing diagnosis system was compared with the judgement of the researcher and of two professors of nursing. The misdiagnosis rate of the nursing diagnosis system using the neural network was nine per cent, while the nursing diagnosis system using the expert system showed consistency with the three experts in every aspect. The result of this study demonstrated the feasibility of the use of an expert system-based nursing diagnosis system as another nursing tool. (12 Refs)
Subfile: C
Descriptors: diagnostic expert systems; medical expert systems; neural nets
Identifiers: nursing diagnosis systems; neural networks; expert systems; Korea; clinical programs; misdiagnosis rate
Class Codes: C7330 (Biology and medical computing); C6170 (Expert systems); C7140 (Medical administration); C5290 (Neural computing techniques)

21/5/11 (Item 11 from file: 2)
DIALOG(R)File 2:INSPEC

5787563 INSPEC Abstract Number: C9802-7140-112
Title: PGP: a new paradigm for healthcare
Author(s): Levinson, C.K.
Author Affiliation: LBI Consulting, Rockville, MD, USA

Conference Title: Toward an Electronic Patient '97. Conference and Exposition. Proceedings Part vol.3 p.94-9 vol.3
Editor(s): Waegemann, C.P.
Publisher: Med. Records Inst, Newton, MA, USA
Publication Date: 1997 Country of Publication: USA 3 vol. (387+324+379) pp.
ISBN: 0 9640667 9 3 Material Identity Number: XX97-03130
Conference Title: Proceedings of TEPR '97. Toward an Electronic Patient Record '97
Conference Date: 27 April-3 May 1997 Conference Location: Nashville, TN, USA
Language: English Document Type: Conference Paper (PA)
Treatment: Practical (P)
Abstract: We are living in an age of networked information **systems** . Individual healthcare business entities have had some level of computerized information **systems** for the past 10 to 15 years. In these **systems** , ranging from mainframe computers to personal computers, data containing confidential medical and patient information has been stored, processed and utilized within that institution. As electronic and computerized information increases in sophistication, more and more healthcare entities are finding requirements to exchange **electronic medical** and patient **information** between and among themselves. The paper discusses the **application** of PGP (Pretty Good Privacy) in a healthcare **setting** . PGP is a registered trademark of ViaCrypt, Inc, and PGP, Inc. PGP, as a software package, is an amalgam of several different cipher products including RSA and a Swiss algorithm called IDEA. It uses public key cryptography. (0 Refs)
Subfile: C
Descriptors: data privacy; medical information **systems** ; public key cryptography; software packages
Identifiers: PGP; healthcare; networked information **systems** ; mainframe computers; personal computers; confidential patient information; Pretty Good Privacy; ViaCrypt; software package; cipher products; RSA; IDEA; public key cryptography
Class Codes: C7140 (Medical administration); C6130S (Data security); C0230 (Economic, social and political aspects of computing)

21/5/12 (Item 12 from file: 2)
DIALOG(R)File 2:INSPEC

5660500 INSPEC Abstract Number: B9709-7510B-324, C9709-7330-331
Title: Home teleradiology system
Author(s): Komo, D.; Garra, B.S.; Freedman, M.; Mun, S.K.
Author Affiliation: Georgetown Univ. Med. Center, Washington, DC, USA
Journal: Proceedings of the SPIE - The International Society for Optical Engineering Conference Title: Proc. SPIE - Int. Soc. Opt. Eng. (USA) vol.3035 p.120-3
Publisher: SPIE-Int. Soc. Opt. Eng,
Publication Date: 1997 Country of Publication: USA
CODEN: PSISDG ISSN: 0277-786X
SICI: 0277-786X(1997)3035L.120:HTS;1-W
Material Identity Number: C574-97145
U.S. Copyright Clearance Center Code: 0277-786X/97/$10.00
Conference Title: Medical Imaging 1997: PACS Design and Evaluation: Engineering and Clinical Issues
Conference Sponsor: SPIE
Conference Date: 25-28 Feb. 1997 Conference Location: Newport Beach,

CA, USA
Language: English Document Type: Conference Paper (PA); Journal Paper (JP)
Treatment: Practical (P)
Abstract: The Home Teleradiology Server (HOMERAD) **system** has been developed and installed at the Department of Radiology, Georgetown University Medical Center. The main purpose of the **system** is to provide a service for on-call physicians to view patients' medical images at home during off-hours. This service will reduce the overhead time required by on-call physicians to travel to the hospital, thereby increasing the efficiency of patient care and improving the total quality of the health care. Typically when a new case is conducted, the medical images generated from CT, US, and/or MRI **modalities** are transferred to a central server at the hospital via DICOM messages over an existing hospital network. The server has a DICOM network agent that listens to DICOM messages sent by CT, US, and MRI **modalities** and stores them into separate DICOM files for sending purposes. The server also has a general purpose, flexible scheduling software that can be configured to send image files to specific user(s) at certain times on any day(s) of the week. The server will then distribute the medical images to on-call physicians' homes via a high-speed modem. All file transmissions occur in the background without human interaction after the scheduling software is pre-configured accordingly. At the receiving end, the physicians' computers consist of high-end workstations that have high-speed modems to receive the **medical images** sent by the central **server** from the hospital, and DICOM compatible viewer **software** to view the transmitted **medical images** in DICOM format. A technician from the hospital, and DICOM compatible viewer **software** to view the transmitted medical images in DICOM format. A technician from the hospital will notify the physician(s) after all the image files have been completely sent. The physician(s) will then examine the medical images and decide if it is necessary to travel to the hospital for further examination on the patients. Overall, the Home Teleradiology **system** provides the on-call physicians with a cost-effective and convenient environment for viewing patients' medical images at home. (2 Refs)
Subfile: B C
Descriptors: biomedical imaging; medical image processing; PACS; patient diagnosis; radiology
Identifiers: Home Teleradiology Server; HOMERAD; on-call physicians; medical images; patient care; health care; CT; US; MRI; DICOM messages; hospital network; DICOM network agent; flexible scheduling software; high-speed modem; file transmissions occur; high-end workstations
Class Codes: B7510B (Radiation and radioactivity applications in biomedicine); B6140C (Optical information, image and video signal processing); B6210L (Computer communications); C7330 (Biology and medical computing); C5260B (Computer vision and image processing techniques); C5620 (Computer networks and techniques)

21/5/13 (Item 13 from file: 2)
DIALOG(R)File 2:INSPEC

5579331 INSPEC Abstract Number: A9712-8760B-002, B9706-7510B-132, C9706-7330-218
Title: Active contour based on the elliptical Fourier series, applied to matrix-array ultrasound of the heart
Author(s): Drezek, R.; Stetten, G.; Ota, T.; Fleishman, C.; Lily, E.; Lewis, C.; Ohazama, C.; Ryan, T.; Glower, D.; Kisslo, J.; von Ramm, O.

Author Affiliation: Dept. of Biomed. Eng., Duke Univ., Durham, NC, USA
Journal: Proceedings of the SPIE - The International Society for Optical Engineering Conference Title: Proc. SPIE - Int. Soc. Opt. Eng. (USA) vol.2962 p.26-34
Publisher: SPIE-Int. Soc. Opt. Eng,
Publication Date: 1997 Country of Publication: USA
CODEN: PSISDG ISSN: 0277-786X
SICI: 0277-786X(1997)2962L.26:ACBE;1-3
Material Identity Number: C574-97075
U.S. Copyright Clearance Center Code: 0 8194 2366 1/97/$10.00
Conference Title: 25th AIPR Workshop. Emerging Applications of Computer Vision
Conference Sponsor: SPIE; AIPR Executive Committee
Conference Date: 16-18 Oct. 1996 Conference Location: Washington, DC, USA
Language: English Document Type: Conference Paper (PA); Journal Paper (JP)
Treatment: Theoretical (T)
Abstract: The authors describe an active contour based on the elliptical Fourier series, and its **application** to matrix-array ultrasound. Matrix-array **ultrasound** is a new **medical imaging modality** that **scans** a 3D volume **electronically** without physically moving the transducer, allowing for real-time continuous 3D imaging of the heart. Unlike other 3D ultrasound **modalities** which physically move a linear array, matrix array ultrasound is rapid enough to capture an individual cardiac cycle, yielding a temporal resolution of 22 volumetric scans per second. With the goal of automatically tracking the heart wall, an active contour has been developed using the elliptical Fourier series to find perpendicular lines intersecting an initial contour. The neighborhood defined by these perpendiculars is mapped into a rectangular space, called the 1D swath, whose vertical axis represents the inside-vs-outside dimension of the contour (along the perpendicular), and whose horizontal axis represents parametric distance along the contour (tangent to the contour). A dynamic programming technique is then used to find the optimum error function traversing the rectangle horizontally, and this error function is mapped back into image space to yield a new contour. The method does not iterate, but rather simultaneously searches for the optimum contour within a limited domain. Results are presented applying the technique to 3D ultrasound images of in vivo hearts. (20 Refs)
Subfile: A B C
Descriptors: biomedical ultrasonics; cardiology; dynamic programming; Fourier series; medical image processing; real-time **systems** ; stereo image processing; tracking
Identifiers: active contour; elliptical Fourier series; matrix-array ultrasound; heart; medical imaging; electronic 3D volume scanning; real-time continuous 3D imaging; individual cardiac cycle capture; temporal resolution; volumetric scans; automatic heart wall tracking; perpendicular lines; rectangular space; 1D swath; parametric distance; dynamic programming technique; optimum error function; in vivo hearts; optimum contour
Class Codes: A8760B (Sonic and ultrasonic radiation (medical uses)); A8770E (Patient diagnostic methods and instrumentation); B7510B (Radiation and radioactivity applications in biomedicine); B0260 (Optimisation techniques); B7820 (Sonic and ultrasonic applications); B6140C (Optical information, image and video signal processing); C7330 (Biology and medical computing); C1180 (Optimisation techniques); C5260B (Computer vision and image processing techniques)

21/5/14 (Item 14 from file: 2)

DIALOG(R)File 2:INSPEC

5498345 INSPEC Abstract Number: A9706-2960-002, B9703-7430-004
Title: An integrated CMOS time interval measurement system with subnanosecond resolution for the WA-98 calorimeter
Author(s): Simpson, M.L.; Britton, C.L.; Wintenberg, A.L.; Young, G.R.
Author Affiliation: Oak Ridge Nat. Lab., TN, USA
Journal: IEEE Journal of Solid-State Circuits vol.32, no.2 p. 198-205
Publisher: IEEE,
Publication Date: Feb. 1997 Country of Publication: USA
CODEN: IJSCBC ISSN: 0018-9200
SICI: 0018-9200(199702)32:2L.198:ICTI;1-L
Material Identity Number: I022-97002
U.S. Copyright Clearance Center Code: 0018-9200/97/$10.00
Document Number: S0018-9200(97)01129-3
Language: English Document Type: Journal Paper (JP)
Treatment: Applications (A); Practical (P); Experimental (X)
Abstract: The time interval measurement **system** of the WA-98 calorimeter is presented. This **system** consists of a constant fraction discriminator (CFD), a variable delay circuit, a time-to-amplitude converter (TAC), and a Wilkinson analog-to-digital converter (ADC) all realized in a 1.2- mu m N-well CMOS process. These circuits measured the time interval between a reference logic signal and a photomultiplier tube (PMT) signal that had amplitude variations of 100:1 and 10-ns rise and fall times. The **system** operated over the interval range from 2 ns to 200 ns with a resolution of ~+or-300 ps including all walk and jitter components. The variable delay circuit allowed the CFD output to be delayed by up to 1 mu s with a jitter component of ~0.04% of the delay **setting** . These circuits operated with a 5-V power supply. Although this **application** was in nuclear physics instrumentation, these circuits could also be useful in other scientific measurements, **medical imaging** , automatic test **equipment** , ranging **systems** , and industrial **electronics** . (12 Refs)
Subfile: A B
Descriptors: analogue-digital conversion; calorimeters; CMOS integrated circuits; delay circuits; detector circuits; discriminators; jitter; mixed analogue-digital integrated circuits; nuclear electronics; nuclear instrumentation; time measurement
Identifiers: integrated CMOS time interval measurement **system** ; subnanosecond resolution; WA-98 calorimeter; constant fraction discriminator; variable delay circuit; time-to-amplitude converter; Wilkinson ADC; analog-to-digital converter; N-well CMOS process; reference logic signal; photomultiplier tube signal; jitter component; 1.2 micron; 2 to 200 ns; 5 V
Class Codes: A2960 (Counting circuits and nuclear electronics); A0630F (Time and frequency measurement); B7430 (Counting circuits and electronics for particle physics); B2570D (CMOS integrated circuits); B7320K (Time measurement); B1280 (Mixed analogue-digital circuits); B1250 (Modulators, demodulators, discriminators and mixers); B7220 (Signal processing and conditioning equipment and techniques)
Numerical Indexing: size 1.2E-06 m; time 2.0E-09 to 2.0E-07 s; voltage 5.0E+00 V

21/5/15 (Item 15 from file: 2)
DIALOG(R)File 2:INSPEC

5451314 INSPEC Abstract Number: B9702-6140C-009, C9702-7140-008
Title: Design methods and architectural issues of integrated medical image data base systems
Author(s): Wong, S.T.C.; Huang, H.K.
Author Affiliation: Lab. for Radiol. Inf., California Univ., San Francisco, CA, USA
Journal: Computerized Medical Imaging and Graphics vol.20, no.4 p. 285-99
Publisher: Elsevier,
Publication Date: July-Aug. 1996 Country of Publication: UK
CODEN: CMIGEY ISSN: 0895-6111
SICI: 0895-6111(199607/08)20:4L.285:DMAI;1-B
Material Identity Number: A482-96007
U.S. Copyright Clearance Center Code: 0895-6111/96/$15.00+.00
Document Number: S0895-6111(96)00020-1
Language: English Document Type: Journal Paper (JP)
Treatment: Practical (P)
Abstract: The past 20 years (1976-96) have seen tremendous changes in medical imaging techniques. New **modalities** and protocols are expanding the available digital image data at a rapid rate. Yet a framework for gathering, managing, and using multimodal image information in an integrated database environment is missing. The purpose of the paper is to present the experience of implementing an integrated medical image database **system** at UCSF. We discuss the general **system** architecture, software design methods, and specific database tools and illustrate them with application examples. Two immediate issues confounding the building of medical image database **systems** are: lack of supporting infrastructure and inability to index images by content. To circumvent these problems, the evolutionary **medical image** database **system** being implemented at UCSF is based on a three tiered client **server** architecture: client medical workstations, database **application** servers, and a hospital integrated picture archiving and communication **system** (HI-PACS). The approach used is to integrate content based retrieval and knowledge base techniques within the existing HI-PACS to make the whole database **system** useful in medicine. (26 Refs)
Subfile: B C
Descriptors: client-server **systems** ; information retrieval; medical expert **systems** ; medical image processing; medical information **systems** ; PACS; visual databases
Identifiers: design methods; architectural issues; integrated medical image data base **systems** ; medical imaging techniques; digital image data; multimodal image information; integrated database environment; integrated medical image database **system** ; UCSF; software design methods; **system** architecture; database tools; evolutionary medical image database **system** ; three tiered client server architecture; client medical workstations; database application servers; hospital integrated picture archiving and communication **system** ; HI-PACS; content based retrieval; knowledge base techniques
Class Codes: B6140C (Optical information, image and video signal processing); B6210L (Computer communications); C7140 (Medical administration); C5260B (Computer vision and image processing techniques); C6170 (Expert systems); C5620L (Local area networks); C6160S (Spatial and pictorial databases); C7250R (Information retrieval techniques)

21/5/16 (Item 16 from file: 2)

5382043 INSPEC Abstract Number: C9611-7330-127
Title: Evaluation of multi-megabit networks for medical information delivery
Author(s): Gohel, N.R.; Whitman, R.A.
Author Affiliation: Mallinckrodt Inst. of Radiol., Washington Univ. Sch. of Med., St. Louis, MO, USA
Journal: Proceedings of the SPIE - The International Society for Optical Engineering Conference Title: Proc. SPIE - Int. Soc. Opt. Eng. (USA) vol.2711 p.560-8
Publisher: SPIE-Int. Soc. Opt. Eng,
Publication Date: 1996 Country of Publication: USA
CODEN: PSISDG ISSN: 0277-786X
SICI: 0277-786X(1996)2711L.560:EMMN;1-X
Material Identity Number: C574-96139
U.S. Copyright Clearance Center Code: 0 8194 2086 7/96/$6.00
Conference Title: Medical Imaging 1996. PACS Design and Evaluation: Engineering and Clinical Issues
Conference Sponsor: SPIE
Conference Date: 13-15 Feb. 1996 Conference Location: Newport Beach, CA, USA
Language: English Document Type: Conference Paper (PA); Journal Paper (JP)
Treatment: Practical (P)
Abstract: High speed networking is a crucial ingredient in medical information systems. ATM (Asynchronous Transfer Mode) and FDDI (Fiber Distributed Data Interface) networking have overcome their high costs and it is now possible to deploy these technologies widely. A test system designed to simulate an image delivery and display system using Ethernet, FDDI and ATM networking was established. Bottlenecks in this system related to networking protocols and hardware, as well as operating system and disk operations were identified and examined. Special attention was given to the DICOM (Digital Imaging and Communications in Medicine) protocol layered on TCP/IP (**Transmission** Control **Protocol** /Internet Protocol). The initial data indicate the performánce of a **medical** information **system** can be limited by a series of factors. Image data types have performance characteristics based on their image and study size. Appropriate selection and tuning of higher level protocols also makes a substantial contribution to system performance. Once network bandwidth exceeds Ethernet speeds, disk operations are rate limiting factors in image retrieval. (12 Refs)
Subfile: C
Descriptors: asynchronous transfer mode; local area networks; medical image processing; medical information systems; PACS; transport protocols; visual communication
Identifiers: multi-megabit networks; medical information delivery; medical information systems; Asynchronous Transfer Mode; Fiber Distributed Data Interface; image transmission; image display system; Ethernet; DICOM protocol; digital imaging; Transmission Control Protocol; Internet Protocol ; picture achieving; PACS
Class Codes: C7330 (Biology and medical computing); C7140 (Medical administration); C5620L (Local area networks); C5640 (Protocols); C5260B (Computer vision and image processing techniques)

21/5/17 (Item 17 from file: 2)
DIALOG(R)File 2:INSPEC

5381990 INSPEC Abstract Number: B9611-7540-001, C9611-7330-095
Title: An ATM distributed PACS server for ICU application
Author(s): Lee, J.K.; Wong, A.W.K.; Huang, H.K.; Bazzill, T.; Jianguo

Zhang; Andriole, K.
Author Affiliation: Lab. for Radiol Inf., California Univ., San Francisco, CA, USA
Journal: Proceedings of the SPIE - The International Society for Optical Engineering Conference Title: Proc. SPIE - Int. Soc. Opt. Eng. (USA) vol.2711 p.14-21
Publisher: SPIE-Int. Soc. Opt. Eng,
Publication Date: 1996 Country of Publication: USA
CODEN: PSISDG ISSN: 0277-786X
SICI: 0277-786X(1996)2711L.14:DPSA;1-U
Material Identity Number: C574-96139
U.S. Copyright Clearance Center Code: 0 8194 2086 7/96/$6.00
Conference Title: Medical Imaging 1996. PACS Design and Evaluation: Engineering and Clinical Issues
Conference Sponsor: SPIE
Conference Date: 13-15 Feb. 1996 Conference Location: Newport Beach, CA, USA
Language: English Document Type: Conference Paper (PA); Journal Paper (JP)
Treatment: Practical (P)
Abstract: In order for PACS (Picture Archiving and Communications **System**) to better serve our intensive care units (ICUs), we, at University of California, San Francisco, (UCSF), have designed and developed a client/ **server application** that is specifically tailored to provide fast, reliable access to our PACS **data** from **diagnostic** viewing stations in the ICUs. One of our utmost design criteria is to ensure consistent delivery of high speed, high performance data throughput, and yet, the **system** should be cost-effective and render minimal maintenance. As high technology advances, we are able to utilize a powerful mass storage **device** such as a raid disk, which serves as a central image repository, to store images and data. We are also able to utilize asynchronous transfer mode (ATM) technology, which is regarded as the prevailing technology for reliable, high speed data communications, to transfer large imagery data sets across **systems** and networks. The paper describes the design and mechanism of how ICU viewing stations take advantage of sharing a high performance raid disk, and ATM technology in data transfer for timely delivery of images in a clinical **setting** . (4 Refs)
Subfile: B C
Descriptors: asynchronous transfer mode; client-server **systems** ; file servers; local area networks; medical diagnostic computing; medical image processing; optical disc storage; PACS; patient care
Identifiers: ATM distributed PACS server; ICU application; Picture Archiving and Communications **System** ; intensive care units; client/server application; PACS data access; diagnostic viewing stations; design criteria ; high performance data throughput; high speed data throughput; mass storage **device** ; raid disk; central image repository; image storage; data storage; high speed data communications; large imagery data set transfer; ICU viewing stations; high performance raid disk; clinical **setting**
Class Codes: B7540 (Hospital Engineering); B7520 (Patient care and treatment); B6150C (Communication switching); B4120 (Optical storage and retrieval); C7330 (Biology and medical computing); C6150N (Distributed systems software); C5620L (Local area networks); C5260B (Computer vision and image processing techniques); C5630 (Networking equipment); C5320K (Optical storage)

21/5/18 (Item 18 from file: 2)
DIALOG(R)File 2:INSPEC

5352572 INSPEC Abstract Number: A9619-2921-080, B9610-7410B-164, C9610-3380D-009

Title: Software architecture of the longitudinal feedback system for PEP-II, ALS and DA Phi NE

Author(s): Claus, R.; Fox, J.; Linscott, I.; Oxoby, G.; Ross, W.; Sapozhnikov, L.; Teytelman, D.; Drago, A.; Serio, M.

Author Affiliation: Linear Accel. Center, Stanford Univ., CA, USA

Conference Title: Proceedings of the 1995 Particle Accelerator Conference (Cat. No.95CH35843) Part vol.4 p.2660-2 vol.4

Publisher: IEEE, New York, NY, USA

Publication Date: 1995 Country of Publication: USA 5 vol. xxxix+3429 pp.

ISBN: 0 7803 2934 1 Material Identity Number: XX96-01860

U.S. Copyright Clearance Center Code: 0 7803 3053 6/96/$5.00

Conference Title: Proceedings Particle Accelerator Conference

Conference Sponsor: IEEE Nucl. & Plasma Sci. Soc.; APS Div. Particles & Beams; IUPAP

Conference Date: 1-5 May 1995 Conference Location: Dallas, TX, USA

Language: English Document Type: Conference Paper (PA)

Treatment: Practical (P)

Abstract: We describe the software architecture of the Longitudinal Feedback System being built for the PEP-II B-Factory at SLAG, the ALS light source at LBL and the DA Phi NE phi factory at Frascati. This VME/VXI based system utilizes commercially available embedded CPU controller boards running the VxWorks real time operating system. The operator interface for PEP-II and ALS is based on the EPICS control system package. Embedded processors are used to load, monitor and diagnose various components of the system. The feedback function is implemented using digital filtering techniques on a DSP farm residing in the VME crates. The operator interface is written to allow the **loading** of **applications** , e.g., accelerator **diagnostic** functions, **system** hardware integrity functions, etc., without intervening controller reboots. (5 Refs)

Subfile: A B C

Descriptors: accelerator control systems; computerised control; computerised monitoring; electron accelerators; feedback; signal processing ; software engineering; storage rings; user interfaces

Identifiers: software architecture; longitudinal feedback system; PEP-II; ALS; DA Phi NE; B-Factory; ALS light source; phi factory; VME/VXI based system; embedded CPU controller boards; VxWorks real time operating system; operator interface; EPICS control system package; monitor; diagnose; VME crates; accelerator diagnostic functions; system hardware integrity functions; electron storage rings

Class Codes: A2921 (Beams in particle accelerators); A2920D (Storage rings); B7410B (Particle beam handling and diagnostics); B7210B (Automatic test and measurement systems); B6140 (Signal processing and detection); C3380D (Control of physical instruments); C7410H (Computerised instrumentation); C5260 (Digital signal processing); C7420 (Control engineering computing); C6180 (User interfaces)

21/5/19 (Item 19 from file: 2)

DIALOG(R)File 2:INSPEC

4799832 INSPEC Abstract Number: A9423-8770J-015, B9412-7520H-032, C9412-7850-019

Title: Impaired persons facilities based on a multi-modality speech processing system

Author(s): Aguilera, S.; Berrojo, M.A.; Gimenez de los Galanes, F.M.;

Colas, J.; Macias, J.; Montero, J.M.
Author Affiliation: Dept. de Ingenieria Electronica, Univ. Politecnica de Madrid, Spain
p.129-32
Editor(s): Granstrom, B.; Hunnicutt, S.; Spens, K.-E.
Publisher: ESCA & Speech Commun. & Music Acoust. KTH, Stockholm, Sweden
Publication Date: 1993 Country of Publication: Sweden 208 pp.
Conference Title: Proceedings of Workshop on Speech and Language Technology for Disabled Persons
Conference Date: 31 May-2 June 1993 Conference Location: Stockholm, Sweden
Language: English Document Type: Conference Paper (PA)
Treatment: Applications (A)
Abstract: The authors introduce a speech processing system that uses a low-cost PC board plugged into an 8 bit ISA bus expansion slot. The board is based on the AT&T's DSP32C signal processor. The advantage of this configuration is that one can execute many different **applications** by **downloading** them from the PC, all running on the same hardware. The software applications for this system include rehabilitation and **diagnostic systems** for speech impaired persons; a hearing impaired evaluation system, based on pure tone audio measures; and a Spanish text to speech conversion system, used in applications for mobility impaired and blind persons. (9 Refs)
Subfile: A B C
Descriptors: digital signal processing chips; handicapped aids; medical diagnostic computing; patient diagnosis; speech analysis and processing; speech synthesis
Identifiers: speech processing system; PC board; DSP32C signal processor; downloading; diagnostic systems; speech impaired; pure tone audio measures; Spanish text to speech conversion; mobility impaired; blind; 32 bits
Class Codes: A8770J (Prosthetics and other practical applications); A4370 (Speech communication); B7520H (Aids for the handicapped); B6130 (Speech analysis and processing techniques); B1265F (Microprocessors and microcomputers); C7850 (Assistance for the handicapped); C5585 (Speech recognition and synthesis); C5135 (Digital signal processing chips); C7330 (Biology and medicine)
Numerical Indexing: word length 3.2E+01 bit

21/5/20 (Item 20 from file: 2)
DIALOG(R)File 2:INSPEC

4468900 INSPEC Abstract Number: B9310-0100-022, C9310-5260B-038
Title: Applications of Digital Image Processing XV
Journal: Proceedings of the SPIE - The International Society for Optical Engineering vol.1771
Publication Date: 1993 Country of Publication: USA
CODEN: PSISDG ISSN: 0277-786X
U.S. Copyright Clearance Center Code: 93/$4.00
Conference Title: Applications of Digital Image Processing XV
Conference Sponsor: SPIE
Conference Date: 21-24 July 1992 Conference Location: San Diego, CA, USA
Language: English Document Type: Conference Proceedings (CP); Journal Paper (JP)
Treatment: General, Review (G); Practical (P); Theoretical (T)
Abstract: The following topics were dealt with: image representations and models, including recognition, brain data, characters, and keyword extraction, human articulation, and cytomorphology; systems and implementations, including NEXSYS and IDIPP, and **medical** and astronomical

systems ; image understanding; algorithms; nonlinear technology and chaos; image coding and **transmission** ; **applications** to fingerprints, oxide residues, GaAs IC contact defects, medical uses, and ancient manuscripts; X-ray image segmentation; binocular vision; face recognition; particle sizing; speckle interferograms; profilometry; and supersonic flow characterisation.

Subfile: B C

Descriptors: image processing

Identifiers: digital image processing; image models; medical systems; image transmission; image representations; recognition; brain data; characters; keyword extraction; human articulation; cytomorphology; NEXSYS; IDIPP; astronomical systems; image understanding; nonlinear technology; chaos; image coding; fingerprints; oxide residues; GaAs IC contact defects; ancient manuscripts; X-ray image segmentation; binocular vision; face recognition; particle sizing; speckle interferograms; profilometry; supersonic flow characterisation

Class Codes: B0100 (General electrical engineering topics); B6140C (Optical information and image processing); C5260B (Computer vision and picture processing); C1250 (Pattern recognition)

21/5/21 (Item 21 from file: 2)

DIALOG(R)File 2:INSPEC

04259740 INSPEC Abstract Number: A9222-8760G-035, B9211-7510B-046, C9211-7330-126

Title: Application **of a neural** network **to automatic gray level adjustment for** medical images

Author(s): Ohhashi, A.; Yamada, S.; Haruki, K.; Hatano, H.; Nishimura, K. ; Fujii, Y.; Yamaguchi, K.; Ogata, H.

Author Affiliation: Toshiba Corp., Tochigi, Japan

Conference Title: 1991 IEEE International Joint Conference on Neural Networks (Cat. No.91CH3065-0) p.974-80 vol.2

Publisher: IEEE, New York, NY, USA

Publication Date: 1991 Country of Publication: USA 3 vol. xl+2768 pp.

ISBN: 0 7803 0227 3

U.S. Copyright Clearance Center Code: CH3065-0/91/0000-0974$01.00

Conference Sponsor: IEEE; Int. Neural Networks Soc

Conference Date: 18-21 Nov. 1991 Conference Location: Singapore

Language: English Document Type: Conference Paper (PA)

Treatment: Practical (P)

Abstract: The authors have developed a **system** to automatically adjust the gray level of magnetic resonance (MR) images using a neural network. The gray level of an MR image is adjusted by **setting** the display window (gray-level) width and level (WWL). The authors define an index, EW, for the evaluation of displayed image clarity, and they prove its effectiveness. They use a neural network to learn the relationship between image histogram features and displayed image clarity. The authors calculated image clarity using the NN, performed two-stage searching, and determined the best possible WWL. They also evaluated the WWL adjusted by the **system** using the clarity index, EW. (2 Refs)

Subfile: A B C

Descriptors: biomedical NMR; computerised picture processing; medical diagnostic computing; neural nets

Identifiers: computerised picture processing; biomedical NMR; magnetic resonance images; neural network; automatic gray level adjustment; medical images; displayed image clarity; image histogram features; two-stage searching; clarity index

Class Codes: A8760G (Laser beams, microwaves, and other electromagnetic waves); A8770E (Diagnostic methods and instrumentation); B7510B (Radiation

and radioactivity applications); B1295 (Neural nets); C7330 (Biology and medicine); C5260B (Computer vision and picture processing); C5290 (Neural computing techniques)

21/5/22 (Item 22 from file: 2)
DIALOG(R)File 2:INSPEC

04133784 INSPEC Abstract Number: B9206-7210B-001, C9206-7410H-002
Title: Some aspects of knowledge-based fault diagnosis in electronic devices
Author(s): Vaez-Ghaemi, R.; Godbersen, W.; Schwetlick, H.; Filbert, D.
Author Affiliation: Forschungsvorhaben Integrierte Elektrische Messtech., Tech. Univ. Berlin, Germany
Journal: Measurement vol.10, no.1 p.2-7
Publication Date: Jan.-March 1992 Country of Publication: UK
CODEN: MSRMDA ISSN: 0263-2241
Language: English Document Type: Journal Paper (JP)
Treatment: Practical (P)
Abstract: The computer-aided fault diagnosis of **electronic devices** requires the acquisition of different kinds of **information** -i.e. for the **diagnosis** strategy, measurement tasks and documentation purposes. The authors describe the **application** of knowledge-based methodologies to support the acquisition process. Major points of consideration are the application of an inductive learning method for the diagnosis strategy and the implementation of a PROLOG-based consultation **system** for the generation of measurement instrument **settings** . (10 Refs)
Subfile: B C
Descriptors: electronic **equipment** testing; fault location; graphical user interfaces; knowledge based **systems** ; learning **systems** ; PROLOG
Identifiers: CAD; MEXPERT; knowledge-based fault diagnosis; electronic **devices** ; inductive learning; PROLOG; measurement instrument **settings**
Class Codes: B7210B (Automatic test and measurement systems); B0170E (Production facilities and engineering); C7410H (Instrumentation); C6170 (Expert systems); C6180G (Graphical user interfaces)

21/5/23 (Item 23 from file: 2)
DIALOG(R)File 2:INSPEC

03901362 INSPEC Abstract Number: A91077681
Title: Second International Conference on Nuclear Microprobe Technology and Applications
Journal: Nuclear Instruments & Methods in Physics Research, Section B (Beam Interactions with Materials and Atoms) vol.B54, no.1-3
Publication Date: March 1991 Country of Publication: Netherlands
CODEN: NIMBEU ISSN: 0168-583X
U.S. Copyright Clearance Center Code: 91/$03.50
Conference Title: Second International Conference on Nuclear Microprobe Technology and Applications
Conference Date: 5-9 Feb. 1990 Conference Location: Melbourne, Vic., Australia
Language: English Document Type: Conference Proceedings (CP); Journal Paper (JP)
Abstract: The following topics were dealt with: microprobe **systems** and technology; **medical** and biological applications; materials, geological and mineralogical applications; arts and archaeological **applications** ; scanning **transmission** ion microscopy.

Subfile: A
Descriptors: biological techniques and instruments; geophysical techniques; ion microprobe analysis
Identifiers: medical applications; geological applications; materials applications; arts applications; microprobe systems; biological applications; mineralogical applications; archaeological applications; scanning transmission ion microscopy
Class Codes: A0130C (Conference proceedings); A7920N (Atom, molecule, and ion impact); A8280 (Chemical analysis and related physical methods of analysis); A0780 (Electron and ion microscopes and techniques); A8780 (Biophysical instrumentation and techniques); A9385 (Instrumentation and techniques for geophysical research)

21/5/24 (Item 24 from file: 2)
DIALOG(R)File 2:INSPEC

03885703 INSPEC Abstract Number: C91036412
Title: System Programmer's Package. Integrated toolkit for system software development and hardware/software integration
Author(s): Clarke, D.
Author Affiliation: MIPS Comput. Syst. Inc., Sunnyvale, CA, USA
Conference Title: Wescon/88 Conference Record p.36.4/1-8
Publisher: Electron. Conventions Manage, Ventura, CA, USA
Publication Date: 1988 Country of Publication: USA 798 pp.
Conference Sponsor: IEEE; ERA
Conference Date: 15-17 Nov. 1988 Conference Location: Anaheim, CA, USA
Language: English Document Type: Conference Paper (PA)
Treatment: Practical (P)
Abstract: System Programmer's Package (SPP) is a complete integrated toolkit for developing system software and integrating hardware/software on designs using the MIPS R3000 Architecture. It is used by designers to write standalone software systems, create new operating systems, modify existing kernels, and write **machine diagnostics** all in a development environment prior to the existence of hardware. It is also used by hardware and **software** designers to **download** and debug the software on a bare machine in order to bring up a total functioning system immediately after the first hardware is built. And it is often used to help debug difficult system dependent problems that appear only under heavy system loading conditions. SPP is a source level program that executes on MIPS M-series development systems. (0 Refs)
Subfile: C
Descriptors: development systems; programming environments
Identifiers: System Programmer's Package; SPP; integrated toolkit; MIPS R3000 Architecture; development environment; source level program; development systems
Class Codes: C6115 (Programming support); C5250 (Microcomputer techniques)

21/5/25 (Item 25 from file: 2)
DIALOG(R)File 2:INSPEC

03491294 INSPEC Abstract Number: C89066057
Title: Flexible assembly technology: to be system-minded is important
Author(s): Malle, K.
Journal: VDI-Z vol.131, no.7 p.17-20
Publication Date: July 1989 Country of Publication: West Germany
CODEN: VZGTAJ ISSN: 0042-1766

Language: German Document Type: Journal Paper (JP)
Treatment: Practical (P)
Abstract: He who wants to be successful in flexible assembly techniques must have a thorough understanding of manual and automatic assembly, must have the process and hence also the work progress under control, and must be able to control the corresponding material and data flow. This requirement applies to both the user and the supplier of assembly systems. The environment is important, as a technical solution for a high performance assembly line alone does not work. The **transfer** , container, robot, **programming** and **diagnosis system** of the Bosch company is based on this system philosophy and represents a system which is highly standardized. Moreover, the supplier wants to facilitate the user's job of planning, implementing and operating small scale and large scale flexible assembly lines. (0 Refs)
Subfile: C
Descriptors: assembling; flexible manufacturing systems
Identifiers: flexible assembly technology; FMS; material flow; transfer system; data flow; container; robot; programming; diagnosis system; Bosch; planning
Class Codes: C3355F (Assembling); C7420 (Control engineering)

21/5/26 (Item 26 from file: 2)
DIALOG(R)File 2:INSPEC

02460544 INSPEC Abstract Number: C85030175
Title: Expert systems in medicine: a biomedical engineering perspective
Author(s): Sandell, H.S.H.; Bourne, J.R.
Author Affiliation: Dept. of Electr. & Biomed. Eng., Vanderbilt Univ., Nashville, TN, USA
Journal: CRC Critical Reviews in Biomedical Engineering vol.12, no.2 p.95-129
Publication Date: 1985 Country of Publication: USA
CODEN: CRBEDR ISSN: 0278-940X
Language: English Document Type: Journal Paper (JP)
Treatment: Applications (A); Bibliography (B); General, Review (G); Practical (P)
Abstract: Knowledge-based expert **systems** for **medical applications** have **received** considerable attention in recent years. In this review, fundamental terms and notions of artificial intelligence techniques as applied to expert systems are introduced. The most well-known and influential medical expert systems are discussed in detail, and newer efforts are surveyed. A critical comparison of strengths and weaknesses of the systems is made, discussing depth and complexity of knowledge, acquisition of knowledge, user interaction and explanations, knowledge engineering tools, system evaluations, and user resistance. Long- and short-term trends are appraised. (122 Refs)
Subfile: C
Descriptors: expert systems; knowledge engineering; medical diagnostic computing; reviews
Identifiers: knowledge based expert systems; knowledge acquisition; user explanations; long term trends; medicine; biomedical engineering perspective; artificial intelligence techniques; user interaction; knowledge engineering tools; system evaluations; user resistance; short-term trends
Class Codes: C1230 (Artificial intelligence); C6170 (Expert systems); C7330 (Biology and medicine)

21/5/27 (Item 27 from file: 2)

DIALOG(R)File 2:INSPEC

02411403 INSPEC Abstract Number: B85020550, C85015061
Title: Evolution of datacom analyzers
Author(s): Bennett, J.
Journal: Telecommunications vol.18, no.11 p.108-12, 130
Publication Date: Nov. 1984 Country of Publication: USA
CODEN: TLCOAY ISSN: 0040-2494
Language: English Document Type: Journal Paper (JP)
Treatment: Practical (P)
Abstract: Traces the use of data line monitors or analyzers to diagnose data communications problems. The evolution of monitoring capabilities is also examined. Data analyzers are digital **diagnostic devices** that provide a window into the communications network. Their evolution closely parallels developments in **protocol** sophistication, higher **transmission** speeds and associated increased network complexity. Fourth generation automatic data analyzers are now available to troubleshoot bit and byte protocols. These devices feature internal processors and programs that can decode, analyze, and interpret multilevel protocols at line rates of up to 256 kbps. (0 Refs)
Subfile: B C
Descriptors: data communication equipment; digital instrumentation; network analysers
Identifiers: datacom analyzers; data line monitors; data communications; digital diagnostic devices; communications network; automatic data analyzers; protocols; processors
Class Codes: B7210X (Other instrumentation and measurement systems); C5450 (Analogue and hybrid computers and systems)

21/5/28 (Item 28 from file: 2)
DIALOG(R)File 2:INSPEC

01997656 INSPEC Abstract Number: C83009272
Title: Equipment for program debugging in the K580IK80 microprocessor
Author(s): Gladkov, A.M.; Khokhlov, Yu.V.
Journal: Pribory i Sistemy Upravleniya no.10 p.31-2
Publication Date: 1982 Country of Publication: USSR
CODEN: PRSUBT ISSN: 0032-8154
Language: Russian Document Type: Journal Paper (JP)
Treatment: Practical (P)
Abstract: This debugging equipment checks the status of a program by stages, beginning with the initial cell of program memory. The state of the **program** can be **transferred** at every stage to the memory for subsequent **diagnostics** . The **system** is illustrated and described. (4 Refs)
Subfile: C
Descriptors: microcomputers; program debugging
Identifiers: program debugging; K580IK80 microprocessor; diagnostics
Class Codes: C5250 (Microcomputer techniques); C6110 (Systems analysis and programming)

21/5/29 (Item 29 from file: 2)
DIALOG(R)File 2:INSPEC

01738329 INSPEC Abstract Number: C81030237
Title: Microcomputer Applications in Health Care (papers in summary form

only received)
Journal: Clinical Physics and Physiological Measurement vol.2, no.1
Publication Date: Feb. 1981 Country of Publication: UK
CODEN: CPPMD5 ISSN: 0143-0815
Conference Title: Microcomputer Applications in Health Care (papers in summary form only received)
Conference Sponsor: Hospital Physicists' Assoc.; Biol. Eng. Soc
Conference Date: 26 Nov. 1980 Conference Location: London, UK
Language: English Document Type: Conference Proceedings (CP); Journal Paper (JP)
Treatment: Applications (A); General, Review (G)
Abstract: The following topics were dealt with: an alarm system for the elderly and handicapped; a computer system for the handicapped; the prediction of late stroke during cerebral aneurysm surgery by computer; computer-aided diagnosis of the acute abdomen; a PET computer for a personnel dosimetry service; data management for a personnel film badge monitoring service; connecting the Commodore PET to automatic sample counters; Apple II systems for psychological tests and physiological experimentation; medical interviewing by computer; microcomputer **systems** in **medical** education; mini to micro computer **transfer** of FORTRAN **programs** ; a microcomputer in a geriatric unit. 12 Papers were presented.
Subfile: C
Descriptors: medical computing; patient care
Identifiers: alarm system; elderly and handicapped; computer system; cerebral aneurysm surgery; computer-aided diagnosis; PET computer; personnel dosimetry service; data management; personnel film badge monitoring service; Commodore PET; automatic sample counters; psychological tests; physiological experimentation; medical interviewing by computer; microcomputer systems; medical education; mini to micro computer transfer of FORTRAN programs; geriatric unit; late stroke prediction; Apple 2 system
Class Codes: C7330 (Biology and medicine)

21/5/30 (Item 30 from file: 2)
DIALOG(R)File 2:INSPEC

01723375 INSPEC Abstract Number: B81037833, C81025760
Title: Installation testing with software systems. I. Development of test software
Author(s): Goldman, B.A.; Kilty, R.S.; Johnston, J.J.
Author Affiliation: Western Electric, Denver, CO, USA
Journal: Western Electric Engineer vol.25, no.1 p.44-53
Publication Date: Winter 1981 Country of Publication: USA
CODEN: WELEAX ISSN: 0043-3659
Language: English Document Type: Journal Paper (JP)
Treatment: Applications (A); General, Review (G)
Abstract: Three different approaches have evolved for the testing of stored program controlled equipment during its installation. The first, taking advantage of the processing capabilities of the **equipment** , involves **loading diagnostic software** into the system, which then verifies that its hardware operates properly. A second approach employs the system's generic code, supplemented with auxiliary library programs, which are loaded into systems during the installation and growth interval. A third approach, by which external computer-driven equipment tests a system, is essential when testing new components during the growth of in-service equipment. The authors describe the general design approach used for diagnostic testing, and characterise these three approaches. With a description of how each contributes to the testing of elements of the stored program control (SPC) network during the latter part of assembly

through installation and growth in a working environment. (0 Refs)
Subfile: B C
Descriptors: automatic testing; computer software; electronic equipment testing; electronic switching systems; program diagnostics; telephone networks; telephone switching equipment
Identifiers: diagnostic software; external computer-driven equipment; in-service equipment; diagnostic testing; stored program control network; installation testing; test software development; SPC equipment testing; system generic code
Class Codes: B0170N (Reliability); B6230B (Electronic telephone exchanges); C3370C (Telephony); C7410F (Communications)

21/5/31 (Item 31 from file: 2)
DIALOG(R)File 2:INSPEC

01165783 INSPEC Abstract Number: A78028059
Title: Image quality and medical diagnostic decision making
Author(s): Goodenough, D.J.
Author Affiliation: Dept. of Radiology, George Washington Univ. Medical Center, Washington, DC, USA
Journal: Photographic Science and Engineering vol.21, no.5 p.262-8
Publication Date: Sept.-Oct. 1977 Country of Publication: USA
CODEN: PSENAC ISSN: 0031-8760
Language: English Document Type: Journal Paper (JP)
Treatment: Theoretical (T); Experimental (X)
Abstract: Questions are raised about the relationship between physical measurements of **medical** imaging **systems** and empirical signal detection studies. A brief review of classical signal detection theory is followed by examples of the successful **application** of ROC (**Receiver** Operating Characteristic) curves to characterizing simple types of signal detection experiments that might be encountered in images obtained in diagnostic radiology. It is shown that many of the experimental results would be consistent with a detection model that includes an effective internal noise source within the human observer. The extension of simple signal detection theory to more complex diagnostic tasks is discussed. In particular, it is felt that the success of computed tomography systems points out the importance of 'structure noise'. It is concluded that there are many unknown factors involved in the pattern recognition step of diagnosis that tend to obviate a general predictive equation of diagnostic accuracy from known physical image parameters. (33 Refs)
Subfile: A
Descriptors: patient diagnosis; pattern recognition; radiography; signal detection
Identifiers: medical diagnostic decision making; medical imaging systems; empirical signal detection studies; classical signal detection theory; diagnostic radiology; internal noise source; computed tomography systems; pattern recognition step; ROC curves
Class Codes: A0785 (X-ray, gamma-ray instruments and techniques); A8760J (Corpuscular radiation and radioisotopes)

21/5/32 (Item 32 from file: 2)
DIALOG(R)File 2:INSPEC

00145808 INSPEC Abstract Number: C70010996
Title: Operation of the orbiting astronomical observatory by means of computers
Author(s): Cabrera, A.

Journal: Scientia vol.35, no.137 p.21-2
Publication Date: June 1969 Country of Publication: Chile
CODEN: SCNTAU ISSN: 0036-8679
Conference Title: First national conference on computation
Conference Sponsor: Assoc. Computation & Information Treatment Chile
Conference Date: Dec. 1968 Conference Location: Valparaiso, Chile
Language: Spanish; English Document Type: Conference Paper (PA); Journal Paper (JP)

Abstract: Abstract only given, substantially as follows: The OAO-A2 spacecraft put into orbit on December 7, 1968, had the mission of performing precision measurements and telescopic observations of the universe from above the earth's atmosphere. The experimenters for this observatory are the Wisconsin University and the Smithsonian Astrophysical Observatory. The tracking network is provided by NASA. The spacecraft is attitude-controlled by ground station command giving precise pointing control for long duration studies. To fulfil the control requirements for the attitude, equipment and experiments of the spacecraft as well as ground equipment, a real time operating system has been provided. This system consists of a Central Computer (Control Center, 2/SDS-930, a Remote Computer Network (Remote Stations, AD/EC-37) plus the Communications and Data Handling equipment and a Monitor Program System. The Monitor System provides the necessary interface among the computers, the operators and the schedule of programs to be executed and allows enough flexibility to change the schedule or transfer control in any stage of the process. Besides the normal operation for a pass, the Monitor is a means of communication between the operator and the computer, providing output messages and operator input options in order to perform a variety of tasks such as **equipment diagnostics**, transmission and reception of messages, **transfer** of **programs** or data, program modifications, etc., so that it may be considered as an operational, executive control or utility system.

Subfile: C
Descriptors: aerospace applications of computers; aerospace control; astronomy and astrophysics; real-time systems
Class Codes: C3380E (Astronomical instruments); C7420 (Control engineering)

21/5/33 (Item 1 from file: 35)
DIALOG(R)File 35:Dissertation Abs Online

01521051 ORDER NO: AAD96-40247
INTRASUBBAND WAVELET-BASED IMAGE COMPRESSION AND MEDICAL IMAGING CODING OPTIMIZATION

Author: TSAI, MIN-JEN
Degree: PH.D.
Year: 1996
Corporate Source/Institution: UNIVERSITY OF CALIFORNIA, LOS ANGELES (0031)
Chair: JOHN D. VILLASENOR
Source: VOLUME 57/07-B OF DISSERTATION ABSTRACTS INTERNATIONAL. PAGE 4618. 151 PAGES
Descriptors: ENGINEERING, ELECTRONICS AND ELECTRICAL
Descriptor Codes: 0544

The object of this research is to design, implement and evaluate wavelet-based compression algorithms for image and video communication. Among the necessary stages for the wavelet based coding schemes are: (1) the selection of wavelet bases and the structure of the decomposition for transform; (2) quantization; and (3) entropy coding. We have focused this study on the crucial stage between (2) and (3) (whose importance is

gradually gaining recognition), concentrating upon the context modeling of the quantized indexes into an efficient data structure, thus significantly enhancing compression performance.

So called "zerotree data structure" preforms a modeling by investigating the magnitude predictability across the subbands and adopting bit-plane coding into a compact data representation. We investigate zerotree data structure validity and propose an improved scheme called stack-zerotree, which is also based on intersubband predictability, to further increase coding efficiency.

Due to nonstationary characteristics and heterogeneity across the subbands, the intersubband dependency doesn't truly support the predictability. In addition, an intrasubband coding approach is needed to simplify the complicated indexing and branching tracking for the zerotree technique. "Stack-Run Coding," a data structure which is constructed by a multiple alphabet symbol mapping with context switching capability for entropy coding, has been invented and thoroughly studied in this research. Stack-run coding is basically a subband-based self-compact data structure, conceptually very simple, with much flexibility in implementation. Without utilizing the intersubband relationship, it relieves the burdens associated with higher dimensional transform compression.

With the increasing demands in archival and transmission for large scale hospital **networks** , the compression **applications** in the specific field of **medical imaging** are also investigated. We analyzed the compression performance for positron emission tomography and angiogram as case studies for tomographic and dynamic medical imagings because both digital imaging **modalities** demand huge storage space in the UCLA PACS (Pictural Archiving and Communications **System**). These techniques can be applied to teleradiology, teleconsulting or telemedicine, which is becoming a new health service for offering efficient health care in ambulances, rural areas and in countries lacking specialists. Our studies show the promising results and the techniques that can soon be used for clinical practices.

21/5/34 (Item 2 from file: 35)

01244106 ORDER NO: AAD92-30930

SEMI-AUTOMATIC STEREOTACTIC RADIOSURGERY WITH NEURAL NETWORK-BASED MULTI-MODAL IMAGE SEGMENTATION AND GEOMETRIC ANALYSIS OF THE LESION (NEURAL NETWORKS, RADIOSURGERY, BRAIN TUMORS)

Author: OZKAN, MEHMED
Degree: PH.D.
Year: 1991
Corporate Source/Institution: VANDERBILT UNIVERSITY (0242)
Co-directors: KAZUHIKO KAWAMURA; J. MICHAEL FITZPATRICK
Source: VOLUME 53/06-B OF DISSERTATION ABSTRACTS INTERNATIONAL. PAGE 3014. 161 PAGES
Descriptors: ENGINEERING, BIOMEDICAL; ENGINEERING, ELECTRONICS AND ELECTRICAL; COMPUTER SCIENCE
Descriptor Codes: 0541; 0544; 0984

Stereotactic Radio Surgery (SRS) has been employed in the treatment of various brain tumors since 1968. Recently, Linear Accelerator-based radiosurgical **systems** have been developed with good mechanical accuracy and better treatment planning capabilities due to advances in computer technology. It is now possible to treat lesions located deep within the brain while sparing surrounding, healthy tissue. Computerized Photon Knife (CPK) is a linear accelerator coupled to a localization subsystem.

Collimators of various sizes are used to direct photon beams precisely. This **system** 's five degrees of freedom in spatial coordinates makes it possible to tailor a lethal dose of radiation to irregularly shaped tumors. Flexibility of the computer software allows more accurately sculpted treatment plans than were previously possible with the Gamma Unit. The drawback of having such flexibility, however, is the multiplicity of options to consider in a relatively short time. The number of planning parameters are too varied. Therefore, a less optimum plan may be acceptable. However, the goal is to find the perfect plan in a short time.

This dissertation studied two aspects of the stereotactic radiosurgery process; lesion localization and CPK treatment planning. Software was written in an attempt to speed up the overall treatment process and produce more efficient plans. Lesion localization was partly automated using artificial neural **networks** on multi-modal **tomographic** brain **images** . The **application** of the technique is not limitted to stereotactic radiosurgery, but can be utilized in many other medical applications that depend on quantitative tissue information. Planning was performed by geometrical analysis of the segmented lesion.

Computed Tomography (CT), Magnetic Resonance Imaging (MRI) and Positron Emission Tomography (PET) are used for quantization of images to provide multi-dimensional information for each pixel. A statistical pattern recognition technique, the Bayes maximum likelihood classifier, and artificial neural networks (ANN) are tested and compared as pattern recognition techniques for each of the image **modalities** . The contribution of each **modality** is evaluated. The partitioning of the parameter space is studied for various ANN architectures. An adaptive learning scheme is proposed to overcome intensity inhomogeneities introduced by the imaging **systems** . Segmentation results are compared with those obtained from medical experts for stereotactic radiosurgery purposes. Finally, automatic planning software is tested on 40 lesions that were treated earlier using conventional treatment planning methods.

21/5/35 (Item 3 from file: 35)

927739 ORDER NO: AAD86-19460
MEDICAL RECORD ADMINISTRATION PROGRAMS AND TRENDS IN TECHNOLOGY (HEALTH MANAGEMENT)
Author: CRAWFORD, PAULA ANNE
Degree: ED.D.
Year: 1986
Corporate Source/Institution: MEMPHIS STATE UNIVERSITY (0124)
Source: VOLUME 47/06-A OF DISSERTATION ABSTRACTS INTERNATIONAL. PAGE 1990. 138 PAGES
Descriptors: EDUCATION, BUSINESS
Descriptor Codes: 0688

Medical record administration programs are placing graduates in **settings** where knowledge of information technology is vital. As technology changes the way businesses conduct their activities, the educational environment will require parallel changes.

The problem of the study was to determine the current use of electronic technology and micrographics in medical record administration programs and to evaluate the relevance of the curriculum in the areas of records management, health information management and computers in health care in medical record administration programs.

The survey utilized two questionnaires and examined data from accredited medical record administration program directors and medical

record departments in selected hospitals. Technological tasks in the areas of electronic information processing, micrographics, and word processing were rated according to degree of importance and information about the curriculum was collected.

Respondents did not agree on the importance of the majority of identified technological tasks. Lack of agreement centered around electronic information processing and micrographics needs and standards and procedures for word processing and micrographics **systems** .

Automated processes were used by over half the departments surveyed. Patient record components are kept automatically and manually using a variety of **electronic equipment** . Paper records are in use along with **electronic information** storage and micrographics.

Medical record administration **programs** are providing **applications** experience but no standard across **programs** exists. More **applications** experience and automated technology will be incorporated into the curriculum.

Based on the findings of the study, the following conclusions are drawn: (1) The curricula of medical record administration programs should include provisions for development of electronic information processing skills. (2) The curricula of medical record administration programs should include provisions for development of micrographics skills. (3) The curricula of medical record administration programs should include provisions for development of word processing skills. (4) There is a lack of coordination between medical record administration program directors and medical record administration practitioners.

21/5/36 (Item 1 from file: 65)
DIALOG(R)File 65:Inside Conferences

00379312 INSIDE CONFERENCE ITEM ID: CN003606752
Xpress transfer protocol **in a** medical **communication** system **[2165-27]**
Lim, C.-K.; Maydell, U. M.
CONFERENCE: PAC: design and evaluation-Conference
PROCEEDINGS- SPIE THE INTERNATIONAL SOCIETY FOR OPTICAL ENGINEERING, 1994; ISSUE 2165 P: 248-260
SPIE, 1994
ISSN: 0361-0748 ISBN: 0819414603
LANGUAGE: English DOCUMENT TYPE: Conference Papers
CONFERENCE EDITOR(S): Jost, R. G.
CONFERENCE SPONSOR: SPIE
CONFERENCE LOCATION: Newport Beach, CA
CONFERENCE DATE: Feb 1994 (199402) (199402)

BRITISH LIBRARY ITEM LOCATION: 6823.100000
NOTE:
Held as part of Medical imaging 1994
DESCRIPTORS: PACS; medical imaging; SPIE

21/5/37 (Item 1 from file: 99)
DIALOG(R)File 99:Wilson Appl. Sci & Tech Abs

1393068 H.W. WILSON RECORD NUMBER: BAST96047671
CNC key features checklist
Herrin, Golden E;

Modern Machine Shop v. 69 (July '96) p. 146+
DOCUMENT TYPE: Feature Article ISSN: 0026-8003 LANGUAGE: English
RECORD STATUS: Corrected or revised record

ABSTRACT: A checklist of CNC capabilities and key features is presented to aid in the selection of a suitable CNC. The prospective buyer should check if the CNC is user-friendly, is an open or proprietary architecture, is sufficiently fast, provides color graphics on an adequately sized screen, has easy manual data input, provides communication capability, and provides a **diagnostic system** . The way in which the CNC is programmed and how part **programs** are **transferred** into and out of the control should also be examined.

DESCRIPTORS: Computer numerically controlled machine tools;

21/5/38 (Item 1 from file: 233)
DIALOG(R)File 233:Internet & Personal Comp. Abs.

00459611 97PM05-044
WinProbe 95
Knutson, Charles
PC/Computing , May 1, 1997 , v10 n5 p240, 1 Page(s)
ISSN: 0899-1847
Company Name: Quarterdeck
Product Name: WinProbe 95
Languages: English
Document Type: Software Review
Grade (of Product Reviewed): A
Hardware/Software Compatibility: IBM PC Compatible; Microsoft Windows 95
Geographic Location: United States
Presents a very favorable review of WinProbe 95 ($49), a diagnostic utility for Windows 95 from Quarterdeck Corp. (800, 573). Says that it offers **System** Information, Diagnostics, **Settings** , and other features with graphics and icons that make it easy to understand and use. Adds that it allows users to customize their **systems** and the Tune Up feature sets **system** parameters. Says that the **System** Information is a very informative resource and the Diagnostics feature can alert users to problems such as IRQ conflicts. Reports that one of the best features of the program is its Knowledge Base, which provides an informative online tutorial for Windows 95 dealing with topics such as Windows and Memory, Windows and Speed, and Frills and Thrills as well as the Windows Registry and how to manipulate it using the Registry Guru. Concludes that this program is ``a must-have for learning about and maintaining Windows 95.'' Includes one screen display. (djd)
Descriptors: Window **Software** ; Utility **Program** ; **Diagnostics** ; Software Review ; Tutorial; **Online Information** ; Maintenance
Identifiers: WinProbe 95; Quarterdeck

21/5/39 (Item 2 from file: 233)
DIALOG(R)File 233:Internet & Personal Comp. Abs.

00363974 94PI10-212
Simon: more than a phone, less than a PC
Nadel, Brian
PC Magazine , October 25, 1994 , v13 n18 p46, 1 Page(s)

ISSN: 0888-8507
Company Name: Bell South Cellular
Product Name: Simon
Languages: English
Document Type: Hardware Review
Grade (of Product Reviewed): C
Geographic Location: United States

Presents a mixed review of Simon ($899), a cellular phone which includes a DOS-based processor, a touch screen, and 11 built-in applications, from Bell South Cellular Corp., Atlanta, GA (800, 404). The phone offers a 4.5-by-1.5 inch touch-sensitive LCD panel. Its included applications are a calendar, to-do list, notepad, file **system** , **diagnostics** , address book, clock, sketch pad, calculator, send and **receive** fax **programs** , and a puzzle. The unit offers no link to a PC. Data can be stored in Simon using a flash memory card in its PCMCIA Type II slot or via cc:Mail via modem (at 2,400 bps). Faxing is done at 9,600 bps. The system uses a 16MHz 286-class CPU which is inadequate, and although its battery lasts about 12 hours in standby mode, it can readily be drained after two hours of phone or computer use. Says it is ``definitely much more than a phone, it's still not quite a PC.'' Includes one photo. (djd)

Descriptors: Telephone; Hand-held Computer; Hardware Review; Cellular Communication; PCMCIA
Identifiers: Simon; Bell South Cellular

21/5/40 (Item 3 from file: 233)
DIALOG(R)File 233:Internet & Personal Comp. Abs.

00159055 88DC00-001
Data Communications Buyers' Guide Issue 1988
Data Communications , 1988 , v16 n14
ISSN: 0363-6399
Languages: English
Document Type: Article
Geographic Location: United States

Presents the "Data Communications" Buyers' Guide Issue 1988. Includes a products and services directory, an update service, and a directory of vendors. Product index of over 200 pages contains 14 sections: communications carriers, data **transmission** equipment, **software** , data concentration equipment, database/videotex and time-sharing services, **diagnostic** and test **equipment** , DDP and messaging systems, local area networks, printers/terminals, protocol conversion devices, storage devices and media, switching equipment, support equipment, and support services.

Descriptors: DATA COMMUNICATION; VENDOR GUIDE; HARDWARE; SOFTWARE; DIRECTORIES
Identifiers: Data Communications Buyers' Guide Issue 1988; Data Communications

21/5/41 (Item 1 from file: 583)
DIALOG(R)File 583:Gale Group Globalbase(TM)

05446421
Eppendorf-Nietheler-Hinz GmbH, Hamburg
GERMANY - EPPENDORF-NIETHELER-HINZ TO TRANSFER PRODUCTION
Frankfurter Allgemeine Zeitung (FA) 16 November 1992 p25
Language: German

Eppendorf-Nietheler-Hinz (Hamburg, Germany), producer of analysis **systems**

for **medical** and chemical **applications** , has **transferred** production of centrifuges to subsidiary Geraetebau Eppendorf (Engelsdorf/Leipzig, former E Germany). Geraetebau, the former Zentrifugenwerk Janetzki, was acquired in June 1991 and has now started production of microcentrifuges for small size laboratories. Geraetebau is provided with a workforce of 120 employees.**

COMPANY: EPPENDORF-NIETHELER-HINZ; GERAETEBAU EPPENDORF

PRODUCT: Chemical Equipment (3559CL);
EVENT: COMPANY/ORGANISATIONAL HISTORY (12);
COUNTRY: Germany (4GER); OECD Europe (415); European Economic Community Countries (419); NATO Countries (420);

21/5/42 (Item 2 from file: 583)
DIALOG(R)File 583:Gale Group Globalbase(TM)

04450481
DISCOVERY TECHNOLOGY SELLS FILMFAX
US - DISCOVERY TECHNOLOGY SELLS FILMFAX
Newsweek (NEW) 19 August 1991 p3
ISSN: 0028-9604

Discovery Technology (Longmont, CO) has introduced FilmFAX, a system which can transmit medical images quickly for **diagnosis** . The 'teleradiology' **system** transmits **X - rays** and magnetic-resonance images. FilmFAX consists of a laser scanner for transmission of the image and five **receiving** devices. Networking **software** enables hospitals to transmit images within a building. FilmFAX costs USDlr47,500.

PRODUCT: Facsimile Equipment (3662FX); Facsimile Services (4811FS);
EVENT: PRODUCTS, PROCESSES & SERVICES (30);
COUNTRY: United States (1USA); NATO Countries (420); South East Asia Treaty Organisation (913);

21/5/43 (Item 3 from file: 583)
DIALOG(R)File 583:Gale Group Globalbase(TM)

01182484
EDF DEVELOPS EXPERT SYSTEM
FRANCE - EDF DEVELOPS EXPERT SYSTEM
Echos (LE) 24 June 1987 p14
ISSN: 0153-4831
Language: French

EDF has developed an expert system, Genesia 1, which has established a knowledge base for diagnostic and statistical purposes. Company has also developed the Extra **System** for **diagnosing** alarms in nuclear plants. Since Aug 1986, this **programme** has been **sent** to the simulator used for operator training purposes. Research is currently under way to develop a system for wider applications. Aim is to create an expert system which can generate Cobol programmes.

PRODUCT: Artificial Intelligence Systems (3573AI);
EVENT: LAND USE/PURCHASE/SALES (41);
COUNTRY: France (4FRA); Northern Europe (414); OECD Europe (415); European Economic Community Countries (419); NATO Countries (420); South East

Asia Treaty Organisation (913);

21/5/44 (Item 1 from file: 5)
DIALOG(R)File 5:Biosis Previews(R)

11004797 BIOSIS NO.: 199799625942
A quality control protocol **for** transmission **-emission** tomographic systems .
AUTHOR: Ficaro E P; Harris A J
AUTHOR ADDRESS: Univ. Michigan Med. Cent., Ann Arbor, MI**USA
JOURNAL: Journal of Nuclear Medicine 38 (5 SUPPL.):p214P 1997
CONFERENCE/MEETING: 44th Annual Meeting of the Society of Nuclear Medicine San Antonio, Texas, USA June 1-5, 1997
ISSN: 0161-5505
RECORD TYPE: Citation
LANGUAGE: English
REGISTRY NUMBERS: 14133-76-7: TECHNETIUM-99M
DESCRIPTORS:
MAJOR CONCEPTS: Biochemistry and Molecular Biophysics; Radiation Biology
CHEMICALS & BIOCHEMICALS: TECHNETIUM-99M
MISCELLANEOUS TERMS: Meeting Abstract; Meeting Poster; IMAGING METHOD; RADIATION BIOLOGY; SINGLE PHOTON EMISSION COMPUTED TOMOGRAPHY; SPECT; TECHNETIUM-99M; TRANSMISSION-EMISSION SYSTEM
CONCEPT CODES:
06502 Radiation-General
10060 Biochemical Studies-General
10502 Biophysics-General Biophysical Studies
00520 General Biology-Symposia, Transactions and Proceedings of Conferences, Congresses, Review Annuals

21/5/45 (Item 2 from file: 5)
DIALOG(R)File 5:Biosis Previews(R)

08956587 BIOSIS NO.: 199396108088
Overestimation of osteopenia using standard analysis software for peripheral quantitative computed tomography.
AUTHOR: Lehmann R(a); Kvasnicka H M; Wapniarz M; Klein K; Allolio B
AUTHOR ADDRESS: (a)Medizinische Klinik, Univ. Wuerzburg, Josef-Schneider-Strasse 2, D-97080 Wuerzburg**Germany
JOURNAL: Clinical Investigator 71 (8):p600-603 1993
ISSN: 0941-0198
DOCUMENT TYPE: Article
RECORD TYPE: Abstract
LANGUAGE: English

ABSTRACT: It is well established that measurement of bone mineral density (BMD) can estimate the risk of future fractures. To assess individual fracture risk BMD measurements are compared with a reference range provided by the manufacturer of the respective BMD technology. However, the power of trabecular bone measured by peripheral quantitative computed tomography (pQCT) to predict future fractures has not been shown up to now. We conducted measurements of trabecular bone density (TBD) at the distal radius (pQCT XCT 900, Stratec, Germany) in a sample of 506 healthy white women aged 40-60 years (mean 48) and compared the results with the manufacturer's normal range. We found a remarkable difference in TBD values between our healthy study population and the manufacturer's reference data in all age groups (e.g., age 50-54 years, 143.1 +- 43.2

mg/cm-3 versus 181.1 +- 39.0 mg/cm-3). Compared to the +- 2 SD limits of the manufacturer's reference range our study population showed mean TBD values that were about 1 SD below the mean of the reference range. About 50% of our healthy cohort were below the -1 SD limit of the reference range. Almost ten times as many normal subjects as expected (22.1%) were found below the -2 SD limit and therefore classified as individuals with increased fracture risk. This overestimation of fracture risk leads to discomfort of the patient, unnecessary therapeutic intervention, and significant costs to the public. This difference is probably due to the fact that the manufacturer's reference values were generated with the older device (SCT 900) using a 125I source, and that these were later used in devices with an X-ray source. Correction of the manufacturer's software is now underway; all **devices** with **X - ray** source distributed in Germany by the company must **receive** a new **software** with a generally agreed reference data-set. Our study indicates that a reliable reference database must become a prerequisite for the approvement of BMD technology prior to the use in patients.

DESCRIPTORS:
MAJOR CONCEPTS: Information Studies; Radiology (Medical Sciences); Skeletal System (Movement and Support)
BIOSYSTEMATIC NAMES: Hominidae--Primates, Mammalia, Vertebrata, Chordata, Animalia; Muridae--Rodentia, Mammalia, Vertebrata, Chordata, Animalia
ORGANISMS: rat (Muridae); Hominidae (Hominidae)
BIOSYSTEMATIC CLASSIFICATION (SUPER TAXA): animals; chordates; humans; mammals; nonhuman mammals; nonhuman vertebrates; primates; rodents; vertebrates
MISCELLANEOUS TERMS: CELLULAR CHANGE; HISTOLOGY; INTERNAL BONE STRAIN; OSTEOBLASTIC ACTIVITY; PERIOSTEUM; STRUCTURAL RESPONSE; ULTRASTRUCTURE
CONCEPT CODES:
00530 General Biology-Information, Documentation, Retrieval and Computer Applications
06504 Radiation-Radiation and Isotope Techniques
18004 Bones, Joints, Fasciae, Connective and Adipose Tissue-Physiology and Biochemistry
18006 Bones, Joints, Fasciae, Connective and Adipose Tissue-Pathology
10069 Biochemical Studies-Minerals
BIOSYSTEMATIC CODES:
86215 Hominidae

21/5/46 (Item 3 from file: 5)
DIALOG(R)File 5:Biosis Previews(R)

04006114 BIOSIS NO.: 000076091682
COLLECTION OF HUMAN OOCYTES BY THE USE OF SONOGRAPHY
AUTHOR: WIKLAND M; NILSSON L; HANSSON R; HAMBERGER L; JANSON P O
AUTHOR ADDRESS: DEP. OBSTET. GYNECOL., UNIV. GOTHENBURG, SAHLGRENSKA SJUKHUSET, S-413 GOTHENBURG, SWEDEN.
JOURNAL: FERTIL STERIL 39 (5). 1983. 603-608. 1983
FULL JOURNAL NAME: Fertility and Sterility
CODEN: FESTA
RECORD TYPE: Abstract
LANGUAGE: ENGLISH

ABSTRACT: A technique for ultrasonically guided percutaneous oocyte aspiration was developed utilizing standard real-time, linear-array **ultrasound equipment** . Patients (44) attending an in-vitro fertilization and embryo **transfer** (IVF-ET) **program** were included in this study. In 38 patients, follicular puncture was performed under

general anesthesia and in 6 cases performed under local anesthesia. Fifty-two follicles with a mean diameter .gtoreq. 18 mm were punctured, and 40 mature oocytes were recovered corresponding to a success rate of 77% per follicle. Six of the punctured follicles were considered cystic when the aspirated granulosa cells were examined microscopically and, if these were excluded, the corrected recovery rate was 87% per follicle. In 2 patients, ovulation had occurred at the time for oocyte collection. In 1 of these patients, a mature oocyte was recovered from the pouch of Douglas by the use of sonography. Ultrasonically-guided puncture of follicles for collection of human oocytes seems suitable for use in all cases where laparoscopy is presently used and, in cases with severe adhesions, where laparoscopy may fail.

DESCRIPTORS: FOLLICLE PUNCTURE IN-VITRO FERTILIZATION EMBRYO TRANSFER OVULATION ADHESION PER CUTANEOUS ASPIRATION ANESTHESIA ULTRASOUND LAPAROSCOPY
CONCEPT CODES:
02508 Cytology and Cytochemistry-Human
11106 Anatomy and Histology, General and Comparative-Radiologic Anatomy
11107 Anatomy and Histology, General and Comparative-Regeneration and Transplantation (1971-)
16501 Reproductive System-General; Methods
16504 Reproductive System-Physiology and Biochemistry
16506 Reproductive System-Pathology
25502 Developmental Biology-Embryology-General and Descriptive
01054 Microscopy Techniques-Cytology and Cytochemistry
10060 Biochemical Studies-General
10504 Biophysics-General Biophysical Techniques
10508 Biophysics-Membrane Phenomena
10608 External Effects-Sonics; Ultrasonics
11105 Anatomy and Histology, General and Comparative-Surgery
11108 Anatomy and Histology, General and Comparative-Microscopic and Ultramicroscopic Anatomy
11314 Chordate Body Regions-Abdomen (1970-)
16502 Reproductive System-Anatomy
18006 Bones, Joints, Fasciae, Connective and Adipose Tissue-Pathology
18501 Integumentary System-General; Methods
20501 Nervous System-General; Methods
22024 Pharmacology-Neuropharmacology
22100 Routes of Immunization, Infection and Therapy
32600 In Vitro Studies, Cellular and Subcellular
BIOSYSTEMATIC CODES:
86215 Hominidae
BIOSYSTEMATIC CLASSIFICATION (SUPER TAXA):
Animals
Chordates
Vertebrates
Mammals
Primates
Humans

21/5/47 (Item 1 from file: 73)
DIALOG(R)File 73:EMBASE

07592461 EMBASE No: 1999082054
Systematic **review of endoscopic ultrasound in gastro-oesophageal cancer**
Harris K.M.; Kelly S.; Berry E.; Hutton J.; Roderick P.; Cullingworth J.; Gathercole L.; O'Connor P.J.; Boyce J.C.; Smith M.A.
K.M. Harris, Department of Radiology, Leeds Teaching Hospitals NHS Trust,

Leeds General Infirmary, Leeds United Kingdom
Health Technology Assessment (HEALTH TECHNOL. ASSESS.) (United Kingdom)
1998, 2/18 (iii-129)
CODEN: HTASF ISSN: 1366-5278
DOCUMENT TYPE: Journal; Review
LANGUAGE: ENGLISH SUMMARY LANGUAGE: ENGLISH
NUMBER OF REFERENCES: 43

Objectives: The aim was to review the literature relating to the use of endoscopic ultrasound for the preoperative staging of gastro-oesophageal cancer, especially regarding staging performance and staging impact. In addition, evidence was sought on the health economics, therapeutic impact and effect on patient outcome of endoscopic **ultrasound** in any clinical **application** . Methods: **Data** sources: **Electronic** searches of MEDLINE and BIDS ISI formed the basis of the literature search. Other electronic resources searched included the Cochrane Library, EMBASE, Inside Information Plus, SIGLE and FirstSearch. Bibliographic listings of all retrieved articles were handsearched. Additionally, authors of abstracts, leading centres of endoscopic ultrasound, manufacturers and an endoscopic ultrasound e-mail discussion group were contacted with a request for unpublished information. Study selection and validation: Study selection was a three-stage process using predefined inclusion and exclusion criteria. Only English language papers were included. The paucity of randomised controlled trials necessitated the acceptance of evidence from other study designs. For literature on staging performance, validation studies against a gold standard were included if there were sufficient numbers of patients and raw data were presented. For these studies, investigation of the validity of the evidence included analysis of the effect of the presence of any of 20 potential biases and the **equipment** and imaging protocol used. Data extraction: Data were extracted from the studies selected using data extraction forms. Numerical values of staging performance for the completion of 2 x 2 contingency tables were extracted. Descriptive summaries were prepared for the other types of study where quantitative analysis was not feasible. Data synthesis: Staging performance results (sensitivity, specificity, positive predictive value, negative predictive value, accuracy and odds ratio) were synthesised and receiver operator characteristic curves for the differentiation of tumour Stages T1 and T2 from T3 and T4 plotted. A summary statistic (Q*, balancing sensitivity and specificity) was read from the curve. Similar analysis for the discrimination of lymph node Stage NO from N1 and above was performed. Quantitative synthesis was not applicable for the studies of staging impact, therapeutic impact, patient outcome or health economics. The robustness of the results was investigated by using regression techniques to incorporate bias risk and other factors (e.g. use of protocol) into the quantitative analysis. Results: Twenty-seven primary studies addressing the performance of endoscopic ultrasound for the preoperative staging of gastro-oesophageal cancer satisfied the inclusion criteria. The performance of endoscopic ultrasound in T staging gastro-oesophageal cancer was Q* = 0.91. For gastric T staging Q* = 0.93 and for oesophageal T staging Q* = 0.89. - The value for Q* was significantly ($p < 0.05$) lower for studies performed in the 1990s than for those in the 1980s. - The presence of stenosis resulting in nontraversability was found slightly, but significantly ($p < 0.05$), to reduce the staging performance of endoscopic ultrasound. - Radial probes performed better than linear probes in staging gastric cancer, although, in staging oesophageal cancer, there was no significant difference in the performance between probes. The performance of endoscopic ultrasound in N (lymph node) staging associated with gastro-oesophageal cancer was Q* = 0.79. For N staging associated with gastric cancer this was Q* = 0.76 and for N staging associated with oesophageal cancer Q* = 0.82. - Studies that reported attempts to perform some form of blinding achieved a significantly ($p < 0.05$) better

performance compared with those that did not. Insufficient information for data synthesis was found on M staging (staging of metastases) and grouped TNM staging. There was insufficient information on the use of miniprobes (for subanalysing T1 tumours). There was little information about the use of fine- needle aspiration specifically applicable to gastro-oesophageal cancer. Eight studies compared the staging performance of endoscopic ultrasound with that of incremental computed tomography (CT), but the CT aspects of these were poorly performed and no measure of the staging impact of endoscopic ultrasound (EUS) could be determined. There was very little evidence regarding therapeutic impact, patient outcome and health economics. Conclusions: EUS is highly effective for the discrimination of Stages T1 and T2 from T3 and T4, in both the oesophagus and the stomach. Initial indications are that the performance for T staging at the cardia is less good. Non-traversable stenosis does reduce the staging performance of EUS, but evidence on whether this reduction justifies the risk of dilatation was not available. The studies available on the use of miniprobes report a high performance for discrimination between mucosal and submucosal cancer. No evidence regarding the subsequent impact of these findings is available. Lymph node staging with EUS has a lower performance than that of tumour staging. Staging for metastases using EUS alone is not satisfactory. Recommendations: The following research recommendations were made by the authors: methodological research into the effect of searching only the major electronic databases and into factors that make publication bias less likely continued collaboration between reviewers in fields lacking randomised controlled trials regarding the assessment of study quality updating of this review, especially with regard to the proportion of non-traversable tumours encountered a study to determine the value of miniprobes prior to endoscopic mucosal resection well-designed studies, using the optimal protocols for both EUS and CT, to compare staging performance, which must also investigate the complementary use of the **modalities** further investigation of the use of fine- needle aspiration in gastro-oesophageal cancer in a study concentrating on lymph nodes retrospective studies to confirm the limited learning curve data currently available new studies, specifically designed to measure staging impact, therapeutic impact and patient outcome, because evidence in these areas is not currently available use of decision-modelling techniques to combine outcome and cost data from the new studies and other sources encouragement of imaging scientists both to perform better designed studies and to ensure that descriptions published in the literature are comprehensive.

MEDICAL DESCRIPTORS:
*stomach cancer--surgery--su; *esophagus cancer--surgery--su
preoperative evaluation; cancer staging; ultrasound therapy; outpatient; health economics; patient selection; treatment indication; human; clinical article; review
SECTION HEADINGS:
016 Cancer
018 Cardiovascular Diseases and Cardiovascular Surgery
036 Health Policy, Economics and Management
048 Gastroenterology

21/5/48 (Item 2 from file: 73)
DIALOG(R)File 73:EMBASE

07511018 EMBASE No: 1998411434
Requirements for an integrated medical imaging information system
Akiyama M.; Nakashima A.
M. Akiyama, Internal Med./Med. Informatics Dept., International Medical Center, 1-21-1 Toyama, Shinjuku-ku, Tokyo 162-8655 Japan

Japan Journal of Medical Informatics (JPN. J. MED. INFORM.) (Japan)
1998, 18/3 (231-240)
CODEN: IRJOE ISSN: 0289-8055
DOCUMENT TYPE: Journal; Conference Paper
LANGUAGE: JAPANESE SUMMARY LANGUAGE: ENGLISH; JAPANESE
NUMBER OF REFERENCES: 11

DICOM is (de-facto) standard in the **medical imaging** industry. DICOM is a highly robust, information rich **protocol** that requires high bandwidth **networks** for optimum performance. High performance imaging networks, such as 100-base-T ethernet, are often too expensive for complete coverage of a single hospital, or for regional networks that connect a central hospital with satellite clinics. The Multi **Modality** Manager (MMM) project implements a low cost image network based on DICOM. It provides cost effect imaging for clinicians both within the hospital and at regional clinics. MMM provides a central JPEG image repository, implemented using RAID technology. Stored images can be accessed quickly and easily by clinicians using Web Browsers on standard desktop PCs. The MMM server provides client browsers with three versions of the original DICOM images (original, palm and thumbnail sizes), to enable the selection of proper images for informed consent and conference purposes. We were able to implement MMM using 10-base-T technology, and found MMM used only 4.8% of the available bandwidth on average. We were able to implement a highly useful clinical imaging tool, one that allows for sharing of images between departments and institutions, for one tenth the price of more traditional (PACS) **systems** , using only a narrow band network.

MEDICAL DESCRIPTORS:
*imaging **system** ; *diagnostic imaging
cost effectiveness analysis; internet; image processing; informed consent; information **system** ; medical information; conference paper
SECTION HEADINGS:
027 Biophysics, Bioengineering and Medical Instrumentation

21/5/49 (Item 3 from file: 73)

07229050 EMBASE No: 1998128356
Nuclear medicine data communications
Honeyman J.C.
J.C. Honeyman, Diagnostic Radiology, University of Florida, Gainesville, FL 32610 United States
Seminars in Nuclear Medicine (SEMIN. NUCL. MED.) (United States) 1998, 28/2 (158-164)
CODEN: SMNMA ISSN: 0001-2998
DOCUMENT TYPE: Journal; Review
LANGUAGE: ENGLISH SUMMARY LANGUAGE: ENGLISH
NUMBER OF REFERENCES: 10

Nuclear Medicine was one of the earliest imaging **modalities** to adopt the use of computers for acquisition, processing, storage, and display of digital images. Originally used for processing images, computer technologies were quickly adopted for image storage, display, and transmission. Modern nuclear medicine cameras produce digital images that can be transmitted over computer networks to other cameras, storage **devices** , workstations, and printers. In order to achieve nuclear medicine data communication, images must be successfully acquired and transmitted to the appropriate location to be displayed or printed. Standards have been

developed over the years to facilitate the creation of interfaces between vendors and **equipment** , notably the interfile format for nuclear medicine and the DICOM standard for **medical images** . Studies can be transmitted over **network** communication links to other sites using telecommunication **protocol** standards where they can be stored and/or displayed on a wide variety of **devices** . This ability to move images in a well-understood format to general purpose **devices** using standard **equipment** enables the use of the Internet to disseminate nuclear medicine study information over a wide area for clinical use, research, and education. A number of universities have created Internet sites with nuclear medicine teaching files and information. As technology advances, it will be fessible to transmit medical images of all kinds to virtually anyone who needs them in near real-time, without regard to the distance between locations, or the types of instrumentation and computers used. The next few years should prove to be very interesting for digital medical imaging in general end nuclear medicine in particular.

MEDICAL DESCRIPTORS:
*information processing
telecommunication; data analysis; nuclear medicine; computer analysis; image analysis; computer **system** ; image processing; internet; technology; review
SECTION HEADINGS:
023 Nuclear Medicine
027 Biophysics, Bioengineering and Medical Instrumentation

21/5/50 (Item 4 from file: 73)
DIALOG(R)File 73:EMBASE

06499935 EMBASE No: 1996164916
Three-dimensional imaging, surgical planning, and image-guided therapy
Vannier M.W.; Marsh J.L.
Department of Radiology, Mallinckrodt Institute of Radiology, Washington Univ. School of Medicine, 510 South Kingshighway Boulevard,St. Louis, MO 63110 United States
Radiologic Clinics of North America (RADIOL. CLIN. NORTH AM.) (United States) 1996, 34/3 (545-563)
CODEN: RCNAA ISSN: 0033-8389
DOCUMENT TYPE: Journal; Review
LANGUAGE: ENGLISH SUMMARY LANGUAGE: ENGLISH

Three-dimensional imaging is now widely available and used often to aid in the comprehension and application of volumetric data to diagnosis, planning, and therapy. CAS comprises visualization of complex anatomy, planning of interventions, **image** -based guidance for **diagnosis** and therapy, evaluation of results, and follow up. CAS- **networked** workstations have interactive pointing **devices** and specialized **software** that support simulation, navigation, and follow-up functions. Volumetric and real time digital imaging are used to plan procedures, for intraoperative guidance, and to monitor progress. Monitoring with real time ultrasound, fluoroscopy, and MR imaging is performed to assess local effects of specific therapeutic **modalities** . Normative data bases, especially digital stereotactic atlases, allow incorporation of a priori anatomic knowledge in CAS. Computer-assisted planning and simulation of complex craniofacial surgery is feasible with commercially available software and hardware using CT scan and MR images. This can be performed by an operator with low-level computer skills on a graphics workstation. The outcome of computer-simulated surgery can be validated quantitatively. Computer-simulated surgery does affect the

choice of intervention for patients with complex craniofacial anomalies. Further evaluation of the process is needed to determine the influence of surgical simulation and planning on outcome.

MEDICAL DESCRIPTORS:
*image display; *surgical approach; *three dimensional imaging
computer assisted tomography; computer simulation; computer **system** ; diagnostic imaging; image analysis; nuclear magnetic resonance imaging; priority journal; radiology; review; stereotaxic surgery; technology; treatment planning
SECTION HEADINGS:
014 Radiology
027 Biophysics, Bioengineering and Medical Instrumentation

21/5/51 (Item 5 from file: 73)
DIALOG(R)File 73:EMBASE

06479570 EMBASE No: 1996146024
A 10-year experience in pediatric after-hours telecommunications
Pert J.C.; Furth T.W.; Katz H.P.
Harvard Pilgrim Health Care Services, Children's Hospital, 300 Longwood Avenue,Boston, MA 02115 United States
Current Opinion in Pediatrics (CURR. OPIN. PEDIATR.) (United States) 1996, 8/2 (181-187)
CODEN: COPEE ISSN: 1040-8703
DOCUMENT TYPE: Journal; Review
LANGUAGE: ENGLISH SUMMARY LANGUAGE: ENGLISH

A rapidly growing area within the field of telephone medicine is the use of centralized telephone triage systems to help in the after-hours coverage of pediatric practices. This paper describes a 10-year experience with a pediatric telecommunications program within the 302,000-member Health Centers Division of Harvard Pilgrim Health Care. Telephone volume averages 3000 calls per month, and over 175,000 telephone calls have been **received** since the **program** began. This article highlights the linkage to the primary care physician, the enhancement of service by the automated **medical** record **system** , and the application of the telecommunications program to resident teaching. The literature review focuses on the rationale for structured telecommunications programs, including improved quality of care, reduction of medicolegal risk, and the potential for reimbursement of services.

MEDICAL DESCRIPTORS:
*pediatrics; *telecommunication
automation; health care quality; medical record; medicolegal aspect; primary medical care; priority journal; reimbursement; residency education; review; telephone
SECTION HEADINGS:
007 Pediatrics and Pediatric Surgery
027 Biophysics, Bioengineering and Medical Instrumentation
036 Health Policy, Economics and Management

21/5/52 (Item 6 from file: 73)
DIALOG(R)File 73:EMBASE

06123065 EMBASE No: 1995153906
Application platform designed for computer assisted functional image

analysis
Kinosada Y.; Yonezawa K.
Department of Radiology, Mie University School of Medicine, 2-174 Edobashi,Tsu, Mie 514 Japan
Japan Journal of Medical Informatics (JPN. J. MED. INFORM.) (Japan) 1995, 14/4 (219-227)
CODEN: IRJOE ISSN: 0289-8055
DOCUMENT TYPE: Journal; Article
LANGUAGE: JAPANESE SUMMARY LANGUAGE: ENGLISH; JAPANESE

The rapid technical progress of imaging **modalities** make it easy to obtain various functional images of the human body. These functional images are often used not only for the diagnosis, but also for the treatment planning in radio therapy. But it has been left difficult and troublesome to analyze these functional images or produce new parametric images from them. In this paper, we have developed the application platform ICX (independent console based on X-window **system**) designed for a computer assisted functional image analysis under the different concept from the conventional **medical** workstation. ICX can manage clinical **images** from various imaging **modalities** via ethernet **LAN** and assist users to analyze or process these images easily with ICX's **application programs** and some commercial applications. ICX works as a diagnostic console, a functional image analyzer, a personal PACS and a filming station using DASM-LCAM interface 13M952 protocol) module, but independently works from imaging **modalities** . ICX is a new type of the workstation in the recent diagnostic and therapeutic fields. It also seems useful both for medical doctors and technical staffs.

MEDICAL DESCRIPTORS:
*computer assisted diagnosis; *image analysis
article; diagnostic imaging; image processing; radiation dose; radiotherapy ; treatment planning
SECTION HEADINGS:
014 Radiology
027 Biophysics, Bioengineering and Medical Instrumentation

21/5/53 (Item 7 from file: 73)
DIALOG(R)File 73:EMBASE

00458835 EMBASE No: 1976014369
Integrated information system **for the general hospital. Control of a hospital for acute cases by integration of the information flow from independent data processing subsystems**
EIN INTEGRIERTES INFORMATIONSSYSTEM FUR DAS ALLGEMEINE KRANKENHAUS. DIE STEUERUNG EINES AKUT KRANKENHAUSES DURCH INTEGRATION DES INFORMATIONSFLUSSES AUTARKER DATENVERARBEITUNGS SUBSYSTEME
Freybott A.; Thiel K.F.
C.H.F. Muller GmbH, Hamburg Germany
KRANKENHAUS 1973, 65/5 (191-204)
DOCUMENT TYPE: Journal
LANGUAGE: GERMAN

One of the principle problems in the automation of hospital functions is the **setting** up of surplus capacity. Only recently has tailor made hard and soft ware become available at economic prices. The authors report the introduction of such a **system** at a 690 bed hospital. The **systems** analysis is outlined and the 3 basic fields of application are described: medical data bank and communication **system** ; medical techniques;

organisation and management. These 3 fields of **application** subsume a variety of autonomous **data** processing subsystems, including roentgen **diagnostics** , ray therapy, nuclear medicine, medical **electronics** , clinical chemical laboratory, patients and admissions, and administration. All these subsystems have their own hard and software. Information is centrally integrated via the medical data bank and communication **system** . Each of the subsystems mentioned is discussed.

MEDICAL DESCRIPTORS:
*computer; *emergency medicine; *hospital; *information **system**
general hospital; computer analysis; emergency ward; emergency health service
SECTION HEADINGS:
036 Health Policy, Economics and Management

21/5/54 (Item 1 from file: 155)
DIALOG(R)File 155:MEDLINE(R)

10181003 99161527 PMID: 10345574
Moving toward the next millennium: health informatics in Canada.
Alvarez R C; Zelmer J
Canadian Institute for Health Information.
Hospital quarterly (UNKNOWN) Spring 1998, 1 (3) p10-3, ISSN 1480-221X Journal Code: 100883480
Document type: Journal Article
Languages: ENGLISH
Main Citation Owner: NLM
Record type: Completed
Subfile: Health Administration
Descriptors: *Management Information Systems--trends--TD; *Medical Informatics--trends--TD; *National Health Programs--trends--TD; Canada; Community Networks--organization and administration--OG; Computer Communication Networks; Confidentiality; Investments; Medical Informatics --standards--ST; **Medical** Records **Systems** , Computerized; Privacy; Security Measures; **Software** ; Technology **Transfer**
Record Date Created: 19990324

21/5/55 (Item 2 from file: 155)
DIALOG(R)File 155:MEDLINE(R)

10139656 99123167 PMID: 9929262
The dependence of educational infrastructure on clinical infrastructure.
Cimino C
Office of Computer Based Education, Albert Einstein College of Medicine, Bronx, New York, USA.
Proceedings / AMIA ... Annual Symposium. AMIA Symposium (UNITED STATES) 1998, p462-6, ISSN 1531-605X Journal Code: 100883449
Document type: Journal Article
Languages: ENGLISH
Main Citation Owner: NLM
Record type: Completed
Subfile: INDEX MEDICUS
The Albert Einstein College of Medicine needed to assess the growth of its infrastructure for educational computing as a first step to determining if student needs were being met. Included in computing infrastructure are space, **equipment** , software, and computing services. The infrastructure was assessed by reviewing purchasing and support logs for a six year period from 1992 to 1998. This included **equipment** , software, and e-mail accounts

provided to students and to faculty for educational purposes. Student space has grown at a constant rate (averaging 14% increase each year respectively). Student **equipment** on campus has grown by a constant amount each year (average 8.3 computers each year). Student infrastructure off campus and educational support of faculty has not kept pace. It has either declined or remained level over the six year period. The availability of electronic mail clearly demonstrates this with accounts being used by 99% of students, 78% of Basic Science Course Leaders, 38% of Clerkship Directors, 18% of Clerkship Site Directors, and 8% of Clinical Elective Directors. The collection of the initial descriptive infrastructure data has revealed problems that may generalize to other medical schools. The discrepancy between infrastructure available to students and faculty on campus and students and faculty off campus creates a **setting** where students perceive a paradoxical declining support for computer use as they progress through medical school. While clinical infrastructure may be growing, it is at the expense of educational infrastructure at affiliate hospitals.

Tags: Support, Non-U.S. Gov't

Descriptors: *Computers--trends--TD; *Software--trends--TD; Attitude to Computers; Computer Communication Networks--statistics and numerical data --SN; Computer Communication **Networks** --trends--TD; Computer Communication **Networks** --utilization--UT; Computers --statistics and numerical **data** --SN; New York City; Schools, **Medical** ; **Software** --statistics and numerical **data** --SN

Record Date Created: 19990316

21/5/56 (Item 3 from file: 155)

DIALOG(R)File 155:MEDLINE(R)

10015585 98451166 PMID: 9779886

Supporting tools for guideline development and dissemination.

Quaglini S; Dazzi L; Gatti L; Stefanelli M; Fassino C; Tondini C

Dipartimento di Informatica e Sistemistica, Universita' di Pavia, Italy. sil@ipvaimed2.unipv.it

Artificial intelligence in medicine (NETHERLANDS) Sep-Oct 1998, 14 (1-2) p119-37, ISSN 0933-3657 Journal Code: 8915031

Document type: Journal Article

Languages: ENGLISH

Main Citation Owner: NLM

Record type: Completed

Subfile: INDEX MEDICUS

This paper describes a methodology for representing clinical practice guidelines and facilitating their introduction into the medical routine. Since this methodology can be exploited in a www environment, it can represent the basis for sharing clinical guidelines both between different institutions and between human and software agents cooperating within a clinical context. In addition, the proposed guideline formalization is intended to deal with patient and organization preferences. This goal is achieved by augmenting the guideline with decision analytic models and by linking the guideline with an organizational model of the clinical **setting** . The designed framework allows guideline development, tailoring and implementation, real-time access to the guideline prescriptions and guideline validation.

Tags: Human; Support, Non-U.S. Gov't

Descriptors: *Information Services; *Internet; *Practice Guidelines; Algorithms; Communication; Computer Communication **Networks** ; Databases; Decision Support Techniques; **Information Systems** ; **Medical** Records **Systems** , Computerized; Models, Organizational; Patient Care Planning; Patient Satisfaction; **Programming** Languages; **Software** ; User-Computer

Interface
Record Date Created: 19981217

21/5/57 (Item 4 from file: 155)
DIALOG(R)File 155:MEDLINE(R)

09880825 98302771 PMID: 10179885
Software shopping tips.
Buxbaum J L; Newell L M
Superior Consultant Co. Inc., Southfield, MI, USA.
Health data management (UNITED STATES) May 1998, 6 (5) p72, 74-7, ISSN 1079-9869 Journal Code: 9512999
Document type: Journal Article
Languages: ENGLISH
Main Citation Owner: NLM
Record type: Completed
Subfile: Health Administration
Tags: Human
Descriptors: **Medical** Records **Systems** , Computerized--standards--ST; * **Software** ; *Technology **Transfer** ; Competitive Bidding; Decision Making, Organizational; Diffusion of Innovation; Guidelines; Organizational Objectives; Purchasing, Hospital; United States
Record Date Created: 19980708

21/5/58 (Item 5 from file: 155)
DIALOG(R)File 155:MEDLINE(R)

09850842 98262141 PMID: 10179737
Clinical applications of an ATM/Ethernet network in departments of neuroradiology and radiotherapy.
Cimino C; Pizzi R; Fusca M; Bruzzone M G; Casolino D; Sicurello F
Istituto Nazionale Neurologico C. Besta, Milano.
Studies in health technology and informatics (NETHERLANDS) 1997, 43 Pt B p606-10, ISSN 0926-9630 Journal Code: 9214582
Document type: Journal Article
Languages: ENGLISH
Main Citation Owner: NLM
Record type: Completed
Subfile: HEALTH TECHNOLOGY ASSESSMENT
An integrated **system** for the multimedia management of images and clinical information has been developed at the Isituto Nazionale Neurologico C. Besta in Milan. The Institute physicians have the daily need of consulting images coming from various **modalities** . The high volume of archived material and the need of retrieving and displaying new and past images and clinical information has motivated the development of a Picture Archiving and Communication **System** (PACS) for the automatic management of images and clinical data, related not only to the Radiology Department, but also to the Radiotherapy Department for 3D virtual simulation, to remote teleconsulting, and in the following to all the wards, ambulatories and labs.
Tags: Human
Descriptors: Computer Communication **Networks** ; * **Medical** Informatics **Applications** ; *Multimedia; *Neuroradiography; *Radiology **Information Systems** ; *Radiotherapy; Automatic Data Processing; Computer **Systems** ; Database Management **Systems** ; Hospital Information **Systems** ; Image Processing, Computer-Assisted; Medical Records **Systems** , Computerized
Record Date Created: 19980630

21/5/59 (Item 6 from file: 155)
DIALOG(R)File 155:MEDLINE(R)

08276340 95035251 PMID: 7524690
Displaying radiologic images on personal computers: practical applications and uses.
Gillespy T; Richardson M L; Rowberg A H
Department of Radiology, University of Washington, Seattle 98195.
Journal of digital imaging : the official journal of the Society for Computer Applications in Radiology (UNITED STATES) Aug 1994, 7 (3) p101-6, ISSN 0897-1889 Journal Code: 9100529
Document type: Journal Article
Languages: ENGLISH
Main Citation Owner: NLM
Record type: Completed
Subfile: INDEX MEDICUS
This is the fifth and final article in our series for radiologists and imaging scientists on displaying, manipulating, and analyzing radiologic images on personal computers (PCs). There are many methods of transferring radiologic images into a PC, including transfer over a network, transfer from an imaging **modality** storage archive, using a frame grabber in the image display console, and digitizing a radiograph or 35-mm slide. Depending on the transfer method, the image file may be an extended gray-scale contrast, 16-bit raster file or an 8-bit PC graphics file. On the PC, the image can be viewed, analyzed, enhanced, and annotated. Some specific uses and applications include making 35-mm slides, printing images for publication, making posters and handouts, facsimile (fax) transmission to referring clinicians, converting radiologic **images** into **medical** illustrations, creating a digital teaching file, and using a **network** to disseminate teaching material. We are distributing a 16-bit image display and analysis **program** for Macintosh computers, Dr Razz, that illustrates many of the principles discussed in this review series. The program is available for no charge by anonymous file transfer protocol (ftp).
Tags: Human
Descriptors: Data Display; *Microcomputers; *Radiology Information **Systems** ; Audiovisual Aids; Computer Communication **Networks** ; **Diagnostic Imaging** ; **Image** Processing, Computer-Assisted; Photography; Printing; Radiographic Image Enhancement; **Software**
Record Date Created: 19941208

21/5/60 (Item 7 from file: 155)
DIALOG(R)File 155:MEDLINE(R)

08094953 94221549 PMID: 8168051
From multimodality digital imaging to multimedia patient record.
Ratib O
Computerized medical imaging and graphics : the official journal of the Computerized Medical Imaging Society (UNITED STATES) Mar-Apr 1994, 18 (2) p59-65, ISSN 0895-6111 Journal Code: 8806104
Document type: Editorial
Languages: ENGLISH
Main Citation Owner: NLM
Record type: Completed
Subfile: INDEX MEDICUS
The constant improvement in computer power and performance nowadays offers convenient and efficient means of manipulating images, graphics, and movies on off-the-shelf workstations. With this improvement the trend toward integration of multimodality clinical documents from patient records

comes naturally. Images and graphs are certainly the most important part of the complementary information that must accompany the text and numerical data. It is, however, possible to include sounds and voice messages together with all the other **modalities** . In medicine that could certainly help conveying hart murmur or sounds, but could also offer a convenient way of including vocal messages and comments. These new possibilities will certainly change the way physicians use workstations for direct communication. The computer industry will soon offer means of interactive communication between remote users through computer workstations. That alone will open a completely new era in cooperative computing and remote consultation scenarios in medicine. More than the technology itself, a complete change in behavior and work habits can be expected in the medical community.

Tags: Human

Descriptors: Diagnostic Imaging; *Hospital Information **Systems** ; *Medical Records **Systems** , Computerized; Computer Communication **Networks** ; Computer Graphics; Computer Simulation; Computer **Systems** ; Database Management **Systems** ; **Diagnosis** , Computer-Assisted; Forecasting; **Information Systems** ; Integrated Advanced Information Management **Systems** ; **Software**

Record Date Created: 19940602

21/5/61 (Item 8 from file: 155)

DIALOG(R)File 155:MEDLINE(R)

03784610 82057538 PMID: 7197751

Methodology for NASA technology transfer in medicine.

Rouse D J; Brown J N; Whitten R P

Medical instrumentation (UNITED STATES) Jul-Aug 1981, 15 (4) p234-6, ISSN 0090-6689 Journal Code: 0361136

Document type: Journal Article

Languages: ENGLISH

Main Citation Owner: NLM

Record type: Completed

Subfile: INDEX MEDICUS

A major tenet of NASA's **program** for technology **transfer** in medicine is the active involvement of clinicans, the **medical device** industry, and government health agencies in the transfer process. To ensure availability of the NASA technology to the entire medical community, NASA's methodology emphasizes projects that lead to the development of commercially available medical products incorporating NASA technology. The development of an improved artificial sphincter is an example of a successful transfer of aerospace technology to medicine. Early collaboration between the medical device industry and NASA was critical to the success of this effort to reduce patient risk and health care costs by the incorporation of high-reliability aerospace components in a new prosthesis.

Tags: Human; Male; Support, U.S. Gov't, Non-P.H.S.

Descriptors: *Government Agencies; *Technology, Medical; Equipment Design ; Prostheses and Implants; United States; Urethra; Urinary Incontinence --therapy--TH; Urination

Record Date Created: 19820128

21/5/62 (Item 1 from file: 34)

DIALOG(R)File 34:SciSearch(R) Cited Ref Sci

05623378 Genuine Article#: WL548 Number of References: 127

Title: Computer-based clinical decision aids. A review of methods and assessment of systems

Author(s): Reisman Y (REPRINT)
Corporate Source: UNIV GRONINGEN,FAC MED, INT SCH HEPATOL GISH, OOSTERSINGEL 69/NL-9713 EZ GRONINGEN//NETHERLANDS/ (REPRINT)

Journal: MEDICAL INFORMATICS, 1996, V21, N3 (JUL-SEP), P179-197
ISSN: 0307-7640 Publication date: 19960700
Publisher: TAYLOR & FRANCIS LTD, ONE GUNDPOWDER SQUARE, LONDON, ENGLAND EC4A 3DE
Language: English Document Type: REVIEW
Geographic Location: NETHERLANDS
Subfile: CC CLIN--Current Contents, Clinical Medicine
Journal Subject Category: COMPUTER SCIENCE, INFORMATION SYSTEMS; MEDICAL INFORMATICS

Abstract: During the last three decades a great deal of research has been devoted to the development of integrated clinical decision support **systems** . This report aims to give a basic understanding of what is required for such a **system** . By means of a large literature study a survey is given of the major components of computer-based clinical aid **systems** . The main approaches and several aspects of evaluation of such programs are described. The computer has several inherent capabilities which are suitable for medical problem solving and can help in the formalization of medical knowledge. The components of such **systems** include the computer database, the reasoning engine and the user interface. The different approaches on which the reasoning engine is built are based on manipulation of information and advocate the use of knowledge to construct a solution io a problem. The information in the mode vary from data-intensive to knowledge-intensive. Assessment of decision support **systems** is a very important phase in the development of such **systems** . Evaluation should be made on the accuracy of the program, the nature of the **system** , the use of the data and the acceptance by the target users. Whatever the model is, its effectiveness will depend on the data with which the program has to work. Acceptance by physicians depends among other things on ease of use of thr user interface. Profound changes in the delivery of health care will be induced through the rapid growth of on-line computer communication together with the development of integrated clinical decision support **systems** and electronic medical records. Notwithstanding the rapid growth of computer technology, computer-aided decision making is in its infancy and real support in daily practice is not yet achieved.

Descriptors--Author Keywords: clinical decision ; expert **system** assessment ; application in clinical **setting**
Identifiers--KeyWord Plus(R): EXPERT **SYSTEMS** ; DIFFERENTIAL-DIAGNOSIS; ASSISTED DIAGNOSIS; MEDICAL DIAGNOSIS; SUPPORT **SYSTEMS** ; ABDOMINAL-PAIN; JAUNDICE; PERFORMANCE; MODEL; APPENDICITIS
Research Fronts: 95-0235 001 (LAPAROSCOPIC APPENDECTOMY; ANALYTICAL **SYSTEMS** FOR THE CLINICAL LABORATORY; ACUTE APPENDICITIS)
95-0641 001 (MEDICAL LANGUAGE PROCESSING; CLINICAL REPORTING **SYSTEMS** ; KNOWLEDGE REPRESENTATION; DRUG ERRORS; AUTOMATIC ENCODING; IMPROVING LABORATORY USE)
95-0891 001 (BAYESIAN NETWORKS; PROBABILISTIC REASONING; DIAGNOSTIC **SYSTEMS** ; MODELING UNCERTAINTY; CLASSIFICATION ALGORITHMS; STOCHASTIC CONDITIONAL-INDEPENDENCE)
95-1049 001 (**INTERNET** -BASED **MEDICAL** **INFORMATION** ; CLINICAL LABORATORY CONSULTATION; AGENDA FOR ARTICLES)
95-4921 001 (MEDICAL DIAGNOSTIC DECISION-SUPPORT **SYSTEMS** ; **ONLINE** COMPUTER PHARMACOKINETICS **PROGRAM** ; AUTOMATED APPROACH)
95-5251 001 (FUZZY CLASSIFICATION **SYSTEMS** ; AUTOMATIC CONSENSUS GENERATOR TOOL; USER-ADAPTIVE REPRESENTATION OF DOCUMENTS)

WEISS SM, 1978, V11, P145, ARTIF INTELL
WORTMAN PM, 1972, V5, P315, COMPUTER BIOMEDICAL
WYATT J, 1990, V15, P205, MED INFORM
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21/5/63 (Item 2 from file: 34)

05213172 Genuine Article#: VH478 Number of References: 29

Title: FEATURE-EXTRACTION TECHNIQUES FOR EXPLORATORY VISUALIZATION OF VECTOR-VALUED IMAGERY

Author(s): HARIKUMAR G; BRESLER Y
Corporate Source: UNIV ILLINOIS,COORDINATED SCI LAB,1101 W SPRINGFIELD AVE/URBANA//IL/61801; UNIV ILLINOIS,BECKMAN INST,DEPT ELECT & COMP ENGN/URBANA//IL/61801

Journal: IEEE TRANSACTIONS ON IMAGE PROCESSING, 1996, V5, N9 (SEP), P 1324-1334
ISSN: 1057-7149
Language: ENGLISH Document Type: ARTICLE
Geographic Location: USA
Subfile: SciSearch; CC ENGI--Current Contents, Engineering, Technology & Applied Sciences
Journal Subject Category: ENGINEERING, ELECTRICAL & ELECTRONIC

Abstract: This paper addresses the exploratory visualization of multispectral image data. In such data, each component of the vector pixel corresponds to a different imaging **modality** or a different combination of imaging parameters, and may provide different levels of contrast sensitivity between different regions of the underlying image. We address the problem of presenting this multidimensional data to human observers by synthesizing a display matched to their visual capabilities. Specifically, we seek to determine a data-adaptive linear projection of the vector data to one dimension that produces a grayscale image providing maximum discrimination between the different regions of the underlying object. The approach is equivalent to the extraction of the best linear feature of the vector field. Several new feature-extraction criteria that take into account both the spatial and multivariate structures of the data are proposed and illustrated by simulations on test images.

Identifiers--KeyWords Plus: PROJECTION PURSUIT; BRAIN
Research Fronts: 94-2395 001 (POSITRON EMISSION **TOMOGRAPHY** ; FUNCTIONAL BRAIN **IMAGES** ; WHOLE-BODY PET SCANNER)
94-3120 001 (**MACHINE** LEARNING; DECISION TREE INDUCTION; KNOWLEDGE ACQUISITION; NEURAL **NETWORKS** ; UNIFIED FRAMEWORK; DOMAIN OF **PROGRAMMING**)
94-6371 001 (NEURAL NETWORKS; K-MEANS CLUSTERING; PAI-2 IN BREAST CARCINOMAS; MULTIVARIATE DATA-ANALYSIS)

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FRIEDMAN JH, 1974, V23, P881, IEEE T COMPUT
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MITICHE A, 1986, V25, P380, OPT ENG
PELIZZARI CA, 1989, V13, P20, J COMPUT ASSIST TOMO
RUTTIMAN E, 1993, V2035, P192, P SPIE C MATH METH M
SCHMIEDL U, 1987, V4, P471, MAGNET RESON MED
TOET A, 1990, V3, P1, MACH VISION APPL
VANDENELSEN PA, 1992, V1808, P172, P SOC PHOTO-OPT INS

21/5/64 (Item 3 from file: 34)

02016674 Genuine Article#: JT976 Number of References: 95

Title: THE ELECTRONIC INFORMATION REVOLUTION AND HOW TO EXPLOIT IT

Author(s): COX JJ; DAWSON KJ; HOBBS KEF
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Abstract: Medical information is increasingly stored in electronic format, enabling faster and more flexible access to the literature. Online, compact disc and floppy disc databases are widely available. The origins and development of these different database media are described. The strengths and weaknesses of each, and the ways in which they complement each other, are examined. Ease of access to **medical information** can result in **data** management problems; the role of bibliographic **software** in ensuring full exploitation of the **electronic** information revolution is therefore emphasized.

Identifiers--KeyWords Plus: MEDICAL LITERATURE; CD-ROM; BIBLIOGRAPHIC RETRIEVAL; **SYSTEM**; MICROCOMPUTER; REFERENCES; KNOWLEDGE; DATABASE; PROGRAM; PAPERCHASE
Research Fronts: 90-4417 002 (CLINICAL **SETTING** ; CONTINUING MEDICAL-EDUCATION; IMPACT OF INFORMATION)

Cited References:
DIRECTORY ONLINE DAT, 1991
INFORMATION TODAY, 1991, V8, P24
INFORMATION WORLD RE, 1991, V55, P3

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HEWLETT-PACKARD INTRODUCES CD ROM-BASED COMPUTER-PERFORMANCE MANAGEMENT TOOL

News Release, p1
August 8, 1988

TEXT:

August 8, 1988

Hewlett-Packard
Public Relations Dept.
3000 Hanover St.
Palo Alto, CA 94304

HEWLETT-PACKARD INTRODUCES CD ROM-BASED
COMPUTER-PERFORMANCE MANAGEMENT TOOL

Hewlett-Packard Company today announced HP LaserRX software package, the industry's first performance-management tool that operates on a CD ROM-based (compact-disk read-only memory) personal-computer workstation.

Designed to monitor HP 3000 business computers, HP LaserRX software runs on HP Vectra or IBM AT personal computers incorporating a 5 1/4-inch CD ROM drive and user interface based on MS-Windows (R).

With more than 30,000 in use throughout the world, the HP 3000 is the second most widely installed general-purpose business computer.

HP LaserRX software enables this base of users to continually monitor and evaluate information critical to maintaining peak computer-system performance. The information includes CPU performance, memory and disk utilization, response time and transaction throughput.

By using HP LaserRX software, the user can conduct varied performance-management activities, such as identifd balancing system components for maximum efficiency.

While traditional performance-management tools require high-level expertise, HP LaserRX software overcomes this barrier, said Lane R. Nonnenberg, marketing manager of HP's Applications Support Division.

"Actual data collection, which typically requires a substantial effort on the part of the user, takes place on the HP 3000 computer system without any user intervention," said Nonnenberg. "This ensures that the correct data is collected in the correct timeframe."

He said the product incorporates a user-friendly interface that simplifies performance analysis and problem isolation.

In addition, it allows single or multiple HP 3000 systems to be analyzed from a single PC workstation through a RS-232-C data-communications link or a local area network.

When users are ready to evaluate the information, they **select** from a **menu** , and the specified **information** is automatically **transferred** from the host system to the PC. Unlike traditional performance-management tools, HP LaserRX software does not require the user to directly access all pertinent information.

Users also can easily export the information to other software packages, such as Lotus 1-2-3 (R), for analysis purposes.

"Since this evaluation/analysis process is done in a PC environment, the user does not have to be a systems expert to conduct performance

management," said Nonnenberg.

All LaserRX software components will be delivered on a 4.72-inch disk, which will fit a 5 1/4-inch CD ROM drive.

CD ROM is an extension of the technology found in audio compact disks. The same platter on which the music industry places 70 minutes of digital sound also can store up to 600 megabytes of electronic information.

"This tool establishes a performance-management platform that incorporates CD ROM technology, as well as the PC and a windows environment," said Nonnenberg. "Such a platform opens the door to a host of new possibilities related to performance management."

With the introduction of HP LaserRX software, HP continues to showcase CD ROM technology in innovative applications. Last September, HP became the first company in the computer industry to deliver customer-support information on CD ROM. More recently, HP announced HP LaserRETRIEVE, a software package for publishing and accessing information on CD ROMs.

U.S. List Prices and Delivery

HP LaserRX, including the performance-management software components on CD ROM, is priced according to the number of systems being monitored:

o one to three computer systems..... $8,650
o four to ten computer systems..... 16,850
o 11 or more computer systems..... 24,850

Upgrade credits are available.

The company estimates that deliveries will begin in November 1988.

Hewlett-Packard Company is an international manufacturer of measurement and computation products and systems recognized for excellence in quality and support. The company's products and services are used in industry, business, engineering, science, medicine and education in more than 70 countries. Founded in 1939, the company employs 83,000 people worldwide and had revenue of $8.1 billion in its 1987 fiscal year.

MS-Windows is a U.S. registered trademark of Microsoft Corporation. Lotus 1-2-3 is a U.S. registered trademark of Lotus Development Corporation.

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Digital Recording Ammeters Provide Cost-Effective Means for Gathering Line Data

Soultz, Kevin L.; Tolbert, Steven L.

Transmission & Distribution v43n1 PP: 60-68 Jan 1991 CODEN: TRDIAT
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ABSTRACT: For the past 2 years, engineers at PSI Energy Inc.'s Northern Division have been gathering load information on their 4.16-kV and 12.47-kV system with digital recording ammeters, known as Loadloggers, manufactured by Rochester Instrument Systems. The Loadlogger can be installed on an energized line in minutes by hotstick and automatically starts recording upon installation. Recorded **data** are **transferred** to the personal computer in less than one minute by **selecting** the correct **menu** item from the Loadlogger software and activating the transfer switch on the computer interface adapter. Having actual time-versus-current data from the Loadloggers is more precise than previous methods of estimating or taking instantaneous load checks. However, mounting orientation and distance from adjacent lines must be considered when installing the Loadlogger. The line data gathered with Loadloggers by PSI have provided information necessary for decision making in the areas of distribution-circuit modeling, load balancing, equipment loading, and the investigation of unusual conditions.

TEXT: Several problems face the engineer when modeling a distribution circuit and simulating its load: The load is constantly changing. Most circuits don't have load-monitoring equipment except at the source. The pf of the load is unknown. The load information is important to the system model's accuracy, but these problems make some assumptions necessary.

The method used to determine a circuit's load distribution is one of the decisions to make in the modeling process. Three of the methods used by PSI Energy, Inc. (PSI), Plainfield, IN, include:

1. Engineering estimate based on known load centers.

2. Connected kVA

3. Amp-checks.

Each method makes different assumptions about the load. Amp-checks have proven to be the most accurate method for determining the load distribution, although each method has its time and place for use.

For the past 2 yr, engineers at PSI'S Northern Div., Kokomo, IN have been gathering load information on our 4.16- and 12.47-kV system with digital recording ammeters, known as Loadloggers, manufactured by Rochester Instrument Systems, Rochester, NY.

Installed By Hotstick In Minutes

The Loadlogger can be installed on an energized line in minutes by hotstick (Fig. 1). Its hot-line clamp fits conductors from 0.2 to 1.1 inch dia (rubber insert used for 0.2 to 0.4 inch dia conductors). The instrument's electronics are housed in a 5.9 by 3.9 by 3.1 inch weatherproof box, continuously powered by internal one-yr minimum-life lithium batteries. The instrument automatically starts recording upon installation. An open-core current transformer senses line current which is digitized every 16 sec by a 10-bit analog-to-digital converter. The data is stored in an 8k byte CMOS RAM, monitored by a realtime clock. Data-storage capacity depends upon averaging intervals selected: 15 minutes -- 60 days; 5 minutes -- 20 days; one minute -- 4 days. A one-inch high liquid-crystal display module

(updated every 3 sec) can be plugged in and easily read from the ground (Fig. 2). Data can be transferred from the unit via a computer-interface adapter (Fig. 3) and RS-232 serial port to an IBM or compatible PC. An internal single-chip microcomputer controls all these functions.

Recorded **data** is **transferred** to the PC in less than one minute by **selecting** the correct **menu** item from the Loadlogger software and activating the transfer conductor being monitored. This condition may be a problem on double-line circuits or locations inside substations. More error would be seen on low-voltage secondary or service wires because of the spacing and higher currents.

To reduce this error, install the Loadlogger at least 1.5 ft from adjacent conductors. Less error will also be seen if the open part of the instrument's current transformer faces the adjacent conductor (Fig. 5).

Comparison With Other Recording Ammeters

Strip-chart recording ammeters and max-hand ammeters have been used switch on the computer-interface adapter.

The user-friendly, menu-driven software allows production of load-versus-time plots to determine load profiles, peak-loading patterns and growth rates. The software also supports data transfer to spreadsheet programs such as Lotus 1-2-3 and DBASE for more integrated data analysis and presentation. Data is displayed numerically and graphically, providing peak-value and time-of-day load fluctuations. The software can synchronize the data received from up to four Loadloggers and display it for distribution feeder analysis. Additional selections are provided with the software on the main menu (Fig. 4).

Take Multiple Readings On Feeders

We set the Loadlogger at the circuit exit and at major load centers and then move around to the other locations to find how much load is located on different taps and sections of line. The pf can be determined at capacitor banks that are switched on by checking the current on all three sides of the capacitor tap. By knowing the source current, the load current, and the capacitor current, we can calculate the pf on either side of the capacitor. For modeling worse-case conditions, it is desirable to take the ampchecks while the load is close to its peak.

By taking capacitors and known loads into account, the amp-checks provide a means for an accurate circuit model. Loadloggers provide information on how the load is changing so these fluctuations can be taken into account.
Location Can Affect Accuracy

Distribution system analysis relies on the circuit model to help evaluate system problems. The accuracy of load information in this model can be critical in fine-tuning a system for efficient and economical operation. Having actual time-versus-current data from the Loadloggers is more precise than previous methods of estimating or taking instantaneous load checks.

However, mounting orientation and distance from adjacent lines must be considered when installing the Loadlogger. Conductors that are close to the monitored line can influence the instrument's accuracy. This situation is usually no problem on 12.47- and 4.16kV single-line circuits. Error can also be introduced if adjacent conductors are carrying high current relative to the previously by PSI to measure current and current demand. Our chart recorders use a solid-core current transformer which requires the line to be de-energized and opened up. They also require a voltage source to drive the motor that turns the paper. It takes a few hours to install chart recorders and they require paper and ink which sometimes runs out or clogs the pen. The Loadlogger eliminates these disadvantages.

The only advantage of strip-chart ammeters is that the response time can be a shorter interval. Loadloggers give an average current over a minimum of

one minute. In applications where flicker is a problem the strip-chart ammeter is still preferable over the Loadlogger. though a digital transient analyzer is usually desirable for flicker applications.

We also have some max-hand ammeters that are used to show maximum load current. These units give only one piece of information. The Loadlogger summary shows the maximum current and also the time. For balancing applications the time is important. The max-hand ammeters are heavier than the Loadloggers which makes them more difficult to install.

Because of their advantages over the other recording ammeters, we use the Loadloggers more frequently. Their ability to be installed quickly and their method of storing data in their internal digital memory make them very useful and cost effective. There are devices available that record more detailed information (voltage, pf), but they cost more and take more time to install.

Application: Equipment Loading

Rochester Metals is an industrial customer on PSI's system served from a designated 69/12.47-kV substation. The transformer consists of three 1667-kVA single-phase banks connected delta-wye. The main load consists of two electric furnaces with a third furnace that hadn't been used much. Transformer oil-temperature indicators were showing that one transformer was up to 85degC which was approaching the 90deg normal top oil-temperature rating guideline.

Contrary to the oil-temperature indicators, the kVA report showed the total three-phase load to be within the normal hot-spot rating of the substation transformer bank. Instantaneous checks on the fused secondary showed each phase to have less load than the transformer rating. There was some unbalance indicated. Transformer ratings are normally considered conservative, and historically, actual transformer temperature is less than calculated transformer temperature.

Loadloggers recorded and plotted the load profile of each phase at the delivery point and also at various taps on the customer's distribution system. The sets of loadloggers were moved to each location as shown in Fig. 6. The 12-kV main's load profile appears in Fig. 7. The tap-to-furnaces profile (Fig. 8) shows that the furnates were causing most of the unbalance. Further investigation revealed that both of the most heavily used furnaces were on the same phase. Changing one furnace to another phase would improve balancing and bank loading. This change improved the situation and allowed us to defer transformer replacement.
The Loadlogger data confirmed what and where the problem was. Since the instruments were easy to move around. we were able to tell the customer what part of his system was unbalanced. Because the load fluctuated so much, instantaneous checks did not reveal the problem.

The most significant cost savings came from not having to change out the transformers immediately. They could be replaced when the load was expected to be at their rating in about 2 yr.

Application: Capacitor Switching

Our 12.47-kV Wabash 1201 circuit (Fig. 9) was experiencing some voltage problems. Instantaneous amp-checks had been taken and the circuit modeled based on these checks. The instantaneous checks were in suspicion because two capacitor banks were found with problems. One capacitor had a fuse blown and another had a broken lead wire.

Once these capacitors were repaired, four sets of Loadloggers were installed at various locations on the circuit to verify the instantaneous amp-checks. When the data was analyzed, an intermittent problem with a third capacitor bank was discovered.
This 1200-kVAr bank is used mainly for voltage support and there is very little load on the section of line where it is located. When the capacitor

switches online, most of the current on the line is the capacitor's reactive current. The circuit is also used as a tie circuit to pick up load from Roann when needed. This switching took place while the Loadloggers were recording.

At 20:00 hours, the capacitor switched on for two phases, but B phase did not switch(Fig. 10). Just before 01:00 hours, the load from Roann was transferred to Wabash. The capacitor had switched correctly a few days earlier.

The Loadloggers were installed so that accurate information could be obtained for circuit modeling and circuit balancing. The data revealed a faulty oil switch on a capacitor bank that could have gone undetected and caused voltage problems on the circuit. Other methods of problem investigation would not have so easily revealed the intermittent malfunction of the oil switch.

Conclusion

Loadloggers are digital recording ammeters which are used to measure and record currents carried by distribution lines. Their use for the past 2 yr by PSI's Northern Div. engineers has provided a cost-effective means for gathering accurate line data. This data has provided information necessary for the decision-making process in the areas of distribution-circuit modeling, load balancing, equipment loading, and the investigation of unusual conditions. Continued and expanded use of the instrument is anticipated.

The Authors

Kevin L. Soultz is a Project Engineer in the Northern Div. of PSI Energy, Inc., Kokomo, IN. He has been with PSI for 4 yr and has the BSEET degree from Purdue University. Currently he is responsible for distribution system-planning. Mr. Soultz is a member of IEEE.

Steven L. Tolbert is a Project Engineer in the Northern Div. of PSI Energy, Inc., Kokomo, IN. He has been with PSI for 9 yr and has the BSEE degree from Purdue University. Currently he is responsible for distribution system-planning. Mr. Tolbert is a member of IEEE.

COMPANY NAMES:
PSI Energy Inc (DUNS:00-693-9540)
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DESCRIPTORS: Digital; Measuring instruments; Data collection; Electricity distribution; Methods; Installations; Electric utilities; Case studies
CLASSIFICATION CODES: 8650 (CN=Electrical & electronics industries); 8340 (CN=Electric, water & gas utilities); 9110 (CN=Company specific); 9190 (CN=United States)

01499905 SUPPLIER NUMBER: 11977401 (THIS IS THE FULL TEXT)

Beta users hail interface, robust performance of dBASE IV 1.5. (Borland International Inc. upgrading dBASE IV database management system) (Product Announcement)

Moser, Karen D.

PC Week, v9, n9, p13(1)
March 2, 1992

TEXT:

BETA USERS HAIL ROBUST DBASE IV 1.5

DBASE IV 1.5 INCLUDES NEW QUERY-BY-EXAMPLE FEATURES THAT LET USERS BUILD AND MODIFY SEARCHES BY **SELECTING ITEMS** FROM A **MENU** .

By Karen D. Moser

An improved interface and more robust performance in dBASE IV 1.5 will be the keys to retaining the loyalty of long-suffering dBASE developers, beta testers said last week.

Borland International Inc. will ship the upgrade this month, with better performance, cleaner code and several new features for both the programmer and the end user, said Dave Micek, director and general manager of the dBASE business unit.

The upgrade, the first major improvement to dBASE since Borland bought Ashton-Tate last fall, will help keep developers from straying into the camps of other xBASE language developers such as Nantucket Corp. and Fox Software Inc., developers said.

"dBASE IV was a good product, but when Borland took it over they made it a better product," said beta tester Barbara Berntsen, president and owner of Compu-Trans Software, a database consulting company in Venice, Calif.

"It's much easier to use and the interface is greatly improved," she said. "There are more powerful functions in the programming language, and things that were questionable in 1.1 have been cleaned up."

Along with mouse support, a faster Query by Example (QBE) interface and an open architecture, dBASE IV 1.5 will feature 40 work areas; previous versions supported 10.

For quicker development of database applications, the upgrade has added an automatic installation feature, the ability to edit multiple-file QBE views and the ability to link files together through calculated fields to create complex data relationships. dBASE IV 1.5 also modified its Control Center so that developers can incorporate third-party add-ins.

These new features make for a much better product, according to Michael Mitsch, a group leader in the purchasing department at Subaru Isuzu Automotive Inc., a car dealership in Lafayette, Ind.

"What I was most wanting to see is a reliable product," Mitsch said. "I moved to dBASE IV and was stung badly with software bugs and memory allocation problems, but Borland has taken 1.5 all the way and fixed it."

A special upgrade for users of the dBASE IV Developers Edition, which the Scotts Valley, Calif., company is no longer selling, is available for $199.95. The upgrade contains version 1.5, a two-user LAN Pack, templates and a run-time module.

The retail price of dBASE IV 1.5 is $795. Upgrades from earlier versions of dBASE cost $499.95. A LAN Pack for a single user is priced at $395 with an upgrade price of $79.95; a 10-user package is priced at $3,495, with an upgrade price of $749.95. The dBASE IV 1.5 run-time module is priced at $250. An upgrade to the module is $49.95.

01528769 SUPPLIER NUMBER: 12483602 (THIS IS THE FULL TEXT)

New for PC: Laplink upgrade. (Traveling Software introduces Laplink 4.0 file-transfer software) (Product Announcement)

Mallory, Jim

Newsbytes, NEW08130009
August 13, 1992

TEXT:

New For PC: Laplink Upgrade 08/13/92 BOTHELL, WASHINGTON, U.S.A., 1992 AUG 13 (NB) -- Traveling Software has announced Release 4.0 Upgrade to its file transfer utility program Laplink.

The company said current registered owners can receive the upgrade from major and corporate resellers for $59.95. The company said this is the first time its has released an upgrade through retail channels.

The upgrade kit includes one 3.5-inch and one 5.25-inch disk, and a users manual. To get the upgrade you will have to provide proof of purchase of an earlier version of Laplink within 30 days. Owners of earlier versions of the program can also obtain Laplink's Travelite serial and high-speed cables for an additional $49.95. The special cable has various types of connections at each end of a single cable to facilitate connection between various types of computers.

Traveling Software reports there it has an installed base of nearly one million users.

Laplink allows users to transfer files between computers through serial or parallel ports, or over a modem, using pull down **menus** to **select** functions. Files are **transferred** using a patented **data** compression mode which speeds up file **transfer** . Factors important in transferring files, such as parity, stop bits, and other protocols, are transparent to the user.

The program can install itself on a remote computer over a modem or through a cable, and a Synchronize command makes files in two directories identical.

(Jim Mallory/19920813/Press contact: Marci Maule, Traveling Software, 206-483-8088; Reader contact: Traveling Software, 206-483-8088)

06181763 SUPPLIER NUMBER: 13008957 (THIS IS THE FULL TEXT)

The Mac takes its place in the world of BBS. (Macintosh; computer bulletin board systems) (Evaluation)

Balas, Janet

Computers in Libraries, v12, n9, p62(3)
Oct, 1992

TEXT:

Regular readers of this column know that I have a decided preference for the Macintosh. In the BBS world, however, most systems run on IBM-compatible microcomputers, and it's not unusual to see a BBS devoted to Macintosh concerns running on a DOS machine.

The trend toward the graphical user interface has found its way online with commercial services such as America Online, which sports a Mac-like interface through its proprietary software. Now, at long last, the Mac interface can also work on a BBS.

This month we'll look at two BBS software packages, TeleFinder from Spider Island Software and FirstClass from SoftArc, Inc., that make this possible.

In order to use these BBS systems with the full graphical interface, you must first obtain the user version of the BBS host software. Both companies make this software available for download on their support BBSs and the software may be freely distributed to other users.

TeleFinder/User Software

Spider Island Software's support BBS for TeleFinder Group Edition can be reached by dialing 714-730-5785 using your regular telecommunications software. Logging on this way you are greeted by a welcome menu that allows you to register with the BBS, log on, or disconnect if you decide not to continue. You may log on using "Guest" at the name and password prompts and then will be given the opportunity to download the user software. You will need to know what protocols your telecommunications software supports before proceeding with this step. The connection will be terminated when the download is complete.

The downloaded file is a compressed file, but double-clicking on the icon will cause it to automatically decompress into several files, including a brief user's guide which may be printed.

Eager to get started after these preliminary steps, I double-clicked the TeleFinder program icon to open the application. TeleFinder's initial screen is a replica of the Mac desktop with special TeleFinder icons at the bottom of the screen for commonly used features. The desktop replica is shown in Figure 1.

Auto-dialing Supported

The TeleFinder/User software makes it easy to connect automatically to TeleFinder BBS systems. Double-clicking the Modem Port icon opens the Auto Dialer window, where you select your modem and enter your name, password, and the BBS number. Then a simple click on the Dial button initiates the log-on procedure.

Once the connection is established, the host BBS sends the icons you are permitted to access. Figure 2 shows the screen displayed on my Mac at my initial access. Notice the icons for common BBS features: the mailbox for e-mail, the guest files icon for downloadable files of demos, utilities, and public domain software, and the conferences icon for messages including news, information, and public discussions.

Checking the Mailbox

I was especially charmed by the mailbox with the letter sticking out of it to show that mail was waiting. Mail can be either a message or a file. Messages are read by opening their icons and can be saved to disk as text files, while files can be transferred to your computer by simply dragging the file icon to the icon representing your disk.

Downloading files from other areas of the BBS is just as easy. You may use the BBS Find File command to search for a particular file or open the files icon and browse through the folders. If you see a file you want to download, simply drag it to the icon representing your disk.

Get Info for File Descriptions

If you want to read a **file description** before deciding to proceed with the download, select the **file** and then choose Get Info from the **file** menu. The **file** 's name, size, and date information will be **displayed** . Some **files** will also include a brief descriptive statement in this window. If you wish, you can initiate the **file transfer** by clicking on the Receive button at the bottom of the window.

I transferred a file in this manner with no problems and no worrying about file transfer protocols. You can select from several supported protocols using TeleFinder's Special menu, but since you are using proprietary access software, there are no concerns that the host system will not support the protocols used by your telecommunications software.

I browsed around the BBS like a real Mac user -- opening icons, scrolling windows, pulling down menus, and so on. I discovered lists of BBSs running TeleFinder that I transferred to my disk as future possibilities for online exploration. Now that I had given the TeleFinder BBS a test drive, however, it was time to try out a system running under FirstClass software from SoftArc, Inc.

FirstClass from SoftArc

The SoftArc Online BBS is accessed by dialing 416-609-2250. Until you download the user software, you should use ANSI-compatible telecommunications software and set your terminal type to VT100. I logged on using "Guest" at the name and password prompts, but upon browsing through the BBS, I discovered that I could have entered my own name and a password of my choosing.

The first order of business after I was connected was to locate and download the user version of the software. I did have a little bit of trouble with this. The welcome screen said that the software could be found by typing "help" and then selecting item 17, "FirstClass User," from the help menu. That didn't work, since there were only sixteen items on the menu, none of which were the application.

I'm not one to give up easily so I returned to the system's Home menu. After a bit of poking around, I decided to try item 7 on the menu, which was "Information for Command Line Users." Here I found directions for locating the user software.

The application is found by returning to the Home menu and selecting "Conferences," then "FirstClass News" and finally "FC User 1.66." There are actually two versions of the application software available for download; one includes balloon help while the other does not.

Once again you will need to know what file transfer protocol your telecommunications software supports and whether or not it can use the MacBinary format. This is a common format for Macintosh file transfers and most Macintosh telecommunications software can handle it properly.

I opted for the file without the balloon help and accomplished the transfer without difficulty. The downloaded file automatically decompressed when double-clicked and I was ready to call back and try it out.

The user version of FirstClass supports automatic dialing and logons through settings files. I quickly filled in the appropriate name, password and phone number information for the SoftArc BBS and clicked the log-in button to go back online.

Figure 3 shows the FirstClass desktop after a successful connection. The black flags beside some of the icons means there are materials in these areas that I haven't read. This is helpful in subsequent sessions when browsing the BBS for new messages or files.

The icons represent typical BBS functions: mail, conferences, news, and online help. The user version of FirstClass does not come with any type of user's guide, so the online help serves to outline some of the system's features. You will notice that there is no icon for file transfer.

Downloadable files are not collected in a separate area, but can be found in the conferences either as separate files or as attachments to messages. This has the advantage of allowing a detailed description of the file in the message. The disadvantage is that to find a particular file, you have to search through the various conferences.

File Transfer in the Background

The download function is quite easy to use since the software takes care of everything. The file transfer takes place in the background and other BBS functions can be used while the transfer takes place. I successfully downloaded a list of Mac BBSs that use the FirstClass host

software.

TeleFinder and FirstClass both allow a Mac to function like a Mac when connected to a BBS. There are differences in the features each package offers, but these differences are probably more important to potential Mac sysops faced with choosing host software than they are to users.

I expect that most Mac users will be quite pleased to put aside the usual command line or menu-driven systems of the DOS BBS systems and do their online work in the style to which they are accustomed.

Janet Balas is a library information systems analyst at the Monroeville Public Library, Monroeville, Pennsylvania. She may be reached via ALANET (ALA1808), America Online (JanetB9); CompuServe (70357,1466); Delphi (JANETBALAS); DialMail (Balas); or GEnie (J.BALAS).

00742251 93-91472

Make room, EDI

Panepinto, Joe

Computerworld v27n28 PP: 101-105 Jul 12, 1993 CODEN: CMPWAB ISSN: 0010-4841 JRNL CODE: COW
DOC TYPE: Journal article LANGUAGE: English LENGTH: 3 Pages
SPECIAL FEATURE: Diagrams
WORD COUNT: 1191

ABSTRACT: New combinations of fax, voice, electronic mail, and transaction processing technology are presenting people with less formal yet still effective ways to automate business communications than electronic data interchange (EDI). The technology used in these solutions is less impressive than the cost savings it can bring. For example, Louisiana Land & Exploration Co. uses EMS, an e-mail and workflow application from Computer Application Services, to integrate e-mail and fax communications with its business partners. The system has not only cut overhead costs by automating daily correspondence but has also allowed the company to get steeper discounts on drilling supplies.

TEXT: At one time, electronic data interchange (EDI) was the only game in town for exchanging documents electronically. Today, new combinations of voice, fax, electronic mail and transaction processing technology present less formal yet still effective ways to automate business communications. With the universality of the phone and near ubiquity of fax and E-mail, many companies are opting for this more casual cabal of messaging system.

For instance:

* Business partners can check account balances or shipment status via voice-response and fax-back systems dialing into transaction processing systems.

* Companies can exchange standard and nonstandard EDI documents via E-mail and dial-up systems.

* Users can fax documents by **selecting items** off their E-mail **menu** rather than printing them and feeding them into a fax machine.

"People are finding there are lots of alternatives to EDI. Some are even in their own backyard, like E-mail," says Ann Palermo, director of office systems research at International Data Corp., a market research firm in Framingham, Mass. "Companies that don't have the resources to implement full-blown EDI are finding that E-mail and fax suit the same purposes."

That realization has spurred an estimated $8 billion "electronic commerce" industry for which vendors have already formed an alliance (the Alliance of Computer-based Telephone Application Suppliers) and decided on an acronym (CTI, for computer/telephone integration) that purport to pull it all together.

For vendors, there's been a beehive's worth of activity aimed at redirecting products to integrate other functions: E-mail vendors are adding fax and voice; voice-response vendors are adding E-mail and fax; PC-and local-area network fax board makers are adding E-mail and voice. Everyone is using the phone lines. Most recently, Microsoft Corp. announced its computer/telephony At Work initiative to pull office machines together under one umbrella.

USERS FORGING AHEAD

But end-user organizations have not been waiting for splashy announcements. Carolina Freight in Cherryville, N.C., for instance, has a four-piece communications system in place for its business partners (see box below).

"At the time we started to build this system more than a decade ago, there were no products that did everything," says John Rudasill, president of Carrier Computer Services, Inc., the wholly owned information systems subsidiary of Carolina Freight. "We're not about to trash a system that works, but if I were just starting out today I may look for a product that handles fax, data and voice."

Fulfilling needs such as Rudasill's is exactly what a new generation of companies hopes to do, with what we might call "integrated electronic commerce software." Such companies include Edify Corp., Xcellenet, Inc., Computer Application Services, Inc., NoteWork Corp., Integrated Systems and Communications, Inc. and Futurus Corp.

These electronic commerce systems make extensive use of existing E-mail and dada communication systems as the backbone on which all electronic documents travel.

COST SAVINGS KEY

In fact, the technology is less awe-inspiring than the cost savings it can bring. At Louisiana Land & Exploration Co. (LL&E), a diversified petroleum company in New Orleans, what started as a way to transmit invoices in batch turned into a boost to the bottom line.

LL&E uses EMS, an E-mail and work-flow application from Computer Application Services, to integrate E-mail and fax communications with its business partners.

When drilling an oilwell, drilling report s and supply requisitions are uploaded daily to LL&E's mainframe via simple file transfer from an IBM PC on its oil rigs. The mainframe sends the information to the regular print spool but with a special tag recognizable to the EMS system. EMS then forwards the reports to either a partner's fax machine or an E-mail box on third-party networks.

"We originally brought in EMS as a niche application for transmitting invoices in batch to our refinery," says Mike Hahn, manager of information services at LL&E. "Eventually, we started using it to mail and fax-enable other applications."

The system not only cut overhead costs by automating daily correspondence but also allowed the company to get steeper discounts on drilling supplies. Because supply requisitions are uploaded from each rig daily, EMS is able to gather the requisitions into a single large order, which it then faxes to a list of LL&E's suppliers. LL&E then contracts with the lowest bidder.

LOWER PHONE BILLS

Other companies report unexpected cost savings. World Radio Missionary Fellowship (WRMF) in Colorado Springs integrated much of its fax, E-mail and telephone traffic and cut the costs of communications among its sister stations around the world. WRMF's system is built around an integrated electronic messaging system called Noteworks 2.0 from Noteworks. The company also has a dedicated fax server from Optus, Inc. running on an IBM PC.

Users in the Colorado Springs office can send word processing or spreadsheet documents to the fax server for delivery to sister stations globally. At the same time, users of a DaVinci Systems, Inc. E-mail system at the mission's flagship station in Quito, Ecuador, can address messages to the fax server for printout in the Colorado Springs office. The result is cheaper communications, according to Dan Shelley, computer operator at the company.

Noteworks also automates phone-message routing in the Colorado Springs office. When a business partner calls, the receptionist opens a preaddressed message form on her Windows PC, fills in the data and gives

the message priority status. Noteworks sends it to the recipient, who is notified via an icon and audio beep.

"Using Noteworks, our receptionist can send me a 'flash call' if I am on the phone. It's a marquee-tipe message that tells me who is waiting," Shelley says.

Futurus' Futurus Team products offer similar E-mail, phone messaging, fax server and workgroup capabilities, as does Xcellenet's RemoteWare family of integrated software tools.

FAX AUTOMATION

Other companies have realized cost savings from a marriage of transaction processing, fax and phone technologies. SynOptics Communications, Inc., a $250 million Santa Clara, Calif.-based maker of intelligent hubs, has increased its sales 40% by building an automated fax-back order/backlog/sales shipment system with Electronic Workforce work-flow automation software from Edify, according to Sandy Johnson, systems administrator at SynOptics.
Every morning, the Edify software receives backlog reports from The ASK Group, Inc.'s Manman system on the company's Digital Equipment Corp. VAXcluster and faxes backlog status acknowledgments to a predefined list of distributors.

Additional cost savings applications built around Edify include a fax-back or voice-response system that SynOptics distributors can call to retrieve backlog status reports by entering ID and personal ID numbers. Edify converts the Touch-Tone sounds to a transaction request submitted to Manman, then reformats the resulting transaction response and routes it to the appropriate fax machine.

MERGED TECHNOLOGIES

Even though integrated electronic commerce products are just hitting the market, the line that previously separated the different technologies is forever blurred.

"What we're really talking about is integrating technologies to change the way companies use communication channels and information," says Ron Charnock, chairman of the board of the Alliance of Computer-based Telephone Application Suppliers.
"The benefits, dollar savings and differentiation in the marketplace offered by integrated electronic messaging systems are invaluable," says Jim Burton, president of Computer-Telephone Link, Inc. in Boston. "Companies want to communicate with business partners more seamlessly, and the integration of electronic technologies lets them do it."

GEOGRAPHIC NAMES: US

DESCRIPTORS: Communications equipment ; Problem solving; Cost control; Manycompanies
CLASSIFICATION CODES: 5250 (CN=Telecommunications systems); 9190 (CN=United States)

00734158 93-83379

On The Air 1.0.1

Pearlstein, Joanna

Macworld v10n8 PP: 160 Aug 1993 ISSN: 0741-8647 JRNL CODE: MAW
DOC TYPE: Journal article LANGUAGE: English LENGTH: 1 Pages
WORD COUNT: 577

ABSTRACT: Digital Eclipse Software's On The Air 1.0.1, a network intercom system, is reviewed.

TEXT: ON THE AIR 1.0.1

PROS: Simple interface; good technical-support and documentation. CONS: Sometimes unreliable; could be more intuitive. COMPANY: Digital Eclipse Software (510/047-6101). REQUIRES: Mac Plus; System 7; AppleTalk network. Recommended: Microphone. LIST PRICE: Two-user pack $79.99; 5 users $179.99; 20 users $639.99.

MW***

Used to be that office workers communicated through real-life, real-time speech. If Ayesha had to tell Robert something, he'd go over and say it. These days, in addition to the ancient tradition of shouting over cubicles, modern office workers have a variety of communications media available: E-mail, fancy phone systems, bulletin board services, and now, Digital Eclipse Software's On The Air.

On The Air bills itself as "the perfect intercom system for the Macintosh office." Using On The Air is simple: launch the application, connect to a fellow On The Air user, choose a sound, and send it. If you have a microphone, you can record sounds and send them almost instantly. If you don't have a microphone, you can buy a MacRecorder from Macromedia or Digital Eclipse for $99. Transmitted sounds play in the background on your coworker's machine--and if someone makes your computer moo once too often, you can block sounds from that user. When you use On The Air's Address Book, connecting to someone else is as easy as **selecting** an **item** from a **menu** .

The program must be open for sounds to be transmitted; it consumes 700K of memory. On The Air can open System 7 SND resources, SoundEdit, and AIFF (Audio Interchange File Format) sound files; sounds recorded from within On The Air can be saved as AIFF and SoundEdit-compatible files.
On The Air generally works well, with a few noteworthy exceptions. Sometimes it loses or significantly delays sounds when several are sent simultaneously. Also, it doesn't provide you with the option to delay playing transmitted sounds; if you're away from your computer when someone sends you something, it's gone. Establishing your preferences is also significantly more difficult than it needs to be, involving several more copy-and-paste steps than seems necessary.

On The Air is well designed and performs decently. The sound quality of its recordings and transmissions are good, and it runs at slow but acceptable speeds over Ethernet and LocalTalk networks.

On The Air's well-written manual is easy to follow; the only thing missing is an index. The documentation is also surprisingly forthcoming about potential problems with system configurations and settings. It's a nice product for a nice price--but do you need it? On The Air does much of what more-time-honored technology accomplishes. For me, this software is fun to play with, but it's not much help in my daily work.

But if you're a PowerBook user dialing into a network via AppleTalk Remote Access, you could use On The Air to speak to your coworkers miles away from the office. Or you might use On The Air if you work with sound or

multimedia. Picture this: you're trying to find the right ten-second clip of Mozart for your presentation, and your supervisor across the building needs to approve it. Each time you reedit the sound, you can send it to her machine.

If you're only working with System 7 SND files and a Mac that comes with a microphone, though, simple file-sharing might serve the same purpose--and save you money and precious RAM, too. If you need to send sounds over a network, On The Air does its job well. Otherwise, paper airplanes might suffice.

COMPANY NAMES:
Digital Eclipse Software
GEOGRAPHIC NAMES: US

DESCRIPTORS: Software reviews; Sound; Voice communication ; Applications
CLASSIFICATION CODES: 9000 (CN=Short Article); 9190 (CN=United States); 9120 (CN=Product specific); 5240 (CN=Software & systems); 5250 (CN=Telecommunications systems)

02330388 Supplier Number: 44549142 (THIS IS THE FULLTEXT)

'TAPELESS' MEDIA AT NAB:

Television Digest, v4, n13, pN/A
March 28, 1994

TEXT:

Age of digital recording -- as foreshadowed recently at ITA seminar (TVD March 21 p13) -- also could mean age of solid-state nontape recording. That was one of messages at NAB convention last week in Las Vegas -- event where broadcasting technology usually foreshadows consumer developments.

In consumer field, there's still at least one more generation of tape-based VCRs -- Digital Video Cassette (DVC) format being developed by group of 10 manufacturers (TVD July 5 p12). Panasonic made first public U.S. presentation at NAB of new format designed to record and play back both conventional TV and HDTV.

Although specs given out by Panasonic last week already were well known and reported here almost year ago, company apparently changed its story on marketing plans in couple of months since briefing on subject in London at which it said system could be ready as soon as next Jan. (TVD Jan 31 p11). In England, company also said that next year it would introduce broadcast camcorder compatible with consumer standards.

At hurried news conference in Las Vegas, where Q&A time was seriously restricted, company said consumer DVC would be available in U.S. "by 1996" and would be geared toward consumer use for home theater program playback, with professional applications in relatively low-cost and high-quality broadcast ENG camcorders.

With growing number of computer companies exhibiting at NAB, tape sometimes seemed almost irrelevant, major theme being migration to tapeless digital media of future -- and present. File servers replaced VTRs and cart machines, as Hewlett Packard made major push into broadcast and production areas with all-digital broadcast video server for TV spot playback and disc recorder for editing, capable of storing 12 min. of uncompressed serial digital material.

Silicon Graphics and Sprint announced launch of "Drums" intelligent high -speed network to create "virtual studios," through which creators could send videos, animations and graphics in real time for long-distance collaboration on-line from multiple sites, without exchanges of tape.

Apple's Power Macintosh -- based on Power PC chip developed by Apple, IBM and Motorola -- made trade show debut at NAB within week of its official N.Y. rollout. It's already being embraced by desktop video companies and CD-ROM developers as important professional production tool and consumer computer for everything from editing and graphics to CD-ROM authoring and playback.

Other tapeless solutions were incorporated in dozens of PC- and Macintosh -based nonlinear editing systems featuring magneto-optical and hard disc storage. Traditional video and consumer electronics manufacturers, including Sony and Panasonic, unveiled their own entries at convergence of video and computers, with nonlinear editing systems based on 486 chip technology, named Destiny and Postbox, respectively.

With tapeless solutions already available in editing, distribution and commercial playback, joint development by Ikegami and video editor maker Avid Technology foreshadowed disappearance of tape from production end as well. Companies announced they were working together on digital disc-based camcorder for ENG. They said it would incorporate dockable storage unit containing hard disc drive technology and would reach market in 1995 first half.

With broadcasters curiously quiet on subject of HDTV and with mixed signals from Japan on future of Hi-Vision, first U.S. demonstration of JVC's nondigital W-VHS consumer HDTV VCR had low profile at NAB.

EIA demonstrated extended data service (EDS) system in hope of recruiting broadcasters to **transmit** such material as **program** titles, **descriptions** , weather alerts, etc., for **display** in text channel of closed-caption system of new sets.

An NAB no-show was Gemstar, which canceled its booth shortly before show, apparently not ready to make anticipated joint announcement with NBC

on transmission of on-screen data (TVD March 21 p17).

07716072 SUPPLIER NUMBER: 16420293 (THIS IS THE FULL TEXT)

Bulletin boards' global reach. (using electronic bulletin boards in small business)

Holzinger, Albert G.

Nation's Business, v83, n2, p33(2)
Feb, 1995

TEXT:

The law firm of Leboeuf, Lamb, Greene & MacRae has 16 offices as far apart as New York and Moscow. With approximately 1,000 attorneys and many more clients spread out among several nations and many time zones, the firm's operations personnel were constantly encountering logistical and cost obstacles to providing on-demand access to important documents, says Douglas Starkey, a regional information systems manager.

About a year ago, however, the firm overcame these barriers by establishing an electronic bulletin board system (BBS), Starkey says.

A minimal BBS consists of a "host" computer with moderate storage capacity, some inexpensive software, a modem, and a dedicated telephone line. Businesses with large file libraries and high volumes of calls require a host with one or more capacious hard drives, upgraded software, and multiple modems and phone lines.

A BBS is operational as long as the host computer is turned on; a system operator ("sysop" in BBS jargon) is required only to refresh the file library periodically and respond to incoming questions and requests for information. Users can access a BBS from anywhere in the world via their own modem-equipped personal computer.

At Leboeuf, Lamb, Greene & MacRae, lawyers and clients alike access the BBS around the clock to exchange messages, briefs, presentations, financial data, and other information. Unlike incoming faxes, which cannot be edited easily on a computer, documents retrieved from a BBS can be revised with any standard word-processing program and can then be sent back to the host, Starkey notes. This capability is important on projects involving several participants at more than one site, which are common at his far-flung company.

In contrast, Cornerstone Technology, a retailer of computers, peripheral equipment, and software, operates from a single storefront in Brooksville, Fla., and most customers live nearby. Yet Cornerstone also relies heavily on a BBS to provide a high level of customer service, says Rodney Willis, a software programmer who operates Cornerstone's BBS.

Customers access the Cornerstone BBS about 200 times a week, seeking answers to common technical problems, product and service information, or updated software. They also use the Cornerstone BBS as an entry point to the Internet, the fast-growing global web of computer networks. Willis says it takes only an hour or so each morning to keep the BBS current, and positive responses from customers more than justify the time commitment. "People literally rant and rave" about how much they benefit from using the BBS, he says.

Positive feedback from customers is a key reason business BBSs are proliferating at a "phenomenal" rate, according to Jack Ricard, editor of Boardwatch Magazine, which reports on bulletin boards and other computerized on-line services. Ricard says about 3,500 BBSs were in operation across the United States in 1987, when he launched Boardwatch. There are about 67,000 now, he says.

Ricard notes that most new systems are in small and medium-sized firms, like Cornerstone Technology and Leboeuf, Lamb, Greene & MacRae, which are seeking to provide high levels of staff support and customer service without adding employees.

John Howard, director of international policy and programs at the U.S. Chamber of Commerce, recently designed and built a BBS to facilitate communications among Chamber staff members in Washington, D.C., and American chambers of commerce (AmChams) worldwide. He is the board's sysop.

Howard says an old computer with a relatively slow processor will suffice for most BBSs, but he advises upgrading its hard-disk drive to 1 gigabyte, which costs as little as $500 at today's prices. He also suggests

buying a modem with a transfer rate of 28.8 kilobits per second (kbps) from a reputable manufacturer, which will minimize the time it takes callers to transfer files and avoid potentially nasty compatibility problems. Modems of this speed and quality are available now for less than $350.

The sysops we've talked with use various BBS software packages, yet all warn that setting up a board can be time-consuming. "A BBS is a major communications hub, so setting it up properly will take time, even if you are highly computer-literate," Howard says. "However, it can be fun, and it will be highly rewarding because of the positive comments you'll get from users."

We recently evaluated three major BBS software packages, and we have logged in to them as users many times over the years. Based on our experiences, we recommend the three highly.

All are modular, which means you can buy only the features you need, including a maximum number of simultaneous callers. Therefore, examine the sales literature carefully before you buy to ensure you get precisely those features you want. The three packages are:

* The Major BBS Version 6.25, by Galacticomm Inc. of Fort Lauderdale, Fla. (1-800-328-1128); priced from $249.

* Wildcat! Version 4.01, by Mustang Software Inc. of Bakersfield, Calif. (1-800-269-9185); priced from $129.

* PCBoard Version 15.2, Clark Development Co. Inc. of Murray, Utah. (1-800-356-1686); priced from $150.

Popular On-Line Service Gets A Prety Face Lift

Several beneficial changes have taken place or will be implemented soon at America Online Inc. (AOL) of Vienna, Va., the fast-growing electronic information service, with more than 1.5 million subscribers.

Although AOL's monthly service fee remains $9.95 for the first five hours of on-line time, the price for additional hours has been reduced to $2.95 from $3.50. The decrease could result in substantial savings for business people who regularly conduct research on AOL's wide range of data bases, including the Internet.

Broad Internet access continues to be an AOL strength. Many Internet services, including electronic mail, Gopher data bases, and USENET chat groups, are accessible now from within AOL, and access to the World Wide Web (WWW) of computers is coming this winter, according to AOL officials.

However, perhaps the most noteworthy change at AOL is cosmetic. Recently released Version 2 of AOL's user interface consists largely of a series of highly **graphical** " **buttons** "; "pushing" them with a computer mouse **click** leads the user into the innards of the service. The result is incredible ease of use, even for first-timers. Current subscribers who have not received a software upgrade from AOL and those who wish to subscribe can call 1-800-827-6364.

01029277 96-78670

Pen computers simplify projects

Thierrin, Raymond

American City & County v110n6 PP: 12 May 1995 ISSN: 0149-337X
JRNL CODE: AMC
DOC TYPE: Journal article LANGUAGE: English LENGTH: 1 Pages
WORD COUNT: 545

ABSTRACT: New digital collection equipment makes the process of documenting existing conditions, tracking materials, or ensuring compliance with design specifications and schedules for engineering, construction, architecture, and planning projects easier. The most exciting developments are in pen computers - hand-held devices that use a stylus, rather than a keyboard, to enter data. Data may be numeric, character, or ink - freehand sketches or notes. The stylus acts as a pointing device as well, allowing the user to navigate the software. Special electronic forms are used instead of a pen and pad to record data. Data from pen computers are usually downloaded to an office system, floppy disk, network interface card, or docking station. Transfer time from the field is greatly reduced, and because there are no intermediate steps, such as retyping data, errors during transfer are practically nonexistent. One potential application for pen-based computers is a pavement management system that eliminates the need to redraw sketches of pavement conditions.

TEXT: The information revolution's motto is "those who manage data best, win!" Certainly this applies to municipal projects where efficient data collection and management lead to a more successful end product, making the public the big winner.

Virtually all engineering, construction, architecture and planning projects include data collection and management. Whether this includes documenting existing conditions, tracking materials or ensuring compliance with design specifications and schedules, an extensive amount of information is usually involved.

New digital collection equipment makes the process easier. Portable computers are available that free users from their desks with no sacrifice of high-end features. Advances in operating systems and development platforms have led to new software that makes the most of these systems.

The most exciting developments are in pen computers--hand-held devices that use a stylus, rather than a keyboard, to enter data. Data may be numeric, character or ink--freehand sketches or notes. The stylus acts as a pointing device as well, allowing the user to navigate the software.

Special electronic forms are used instead of a pen and pad to record data. Critical information is written directly onto the computer screen, and lettering is changed into text through handwriting recognition. The software then converts the information into a computer-readable format and **stores** it as a data **record** .

Data from pen computers is usually **downloaded** to an office system, floppy disk, network interface card or docking station. Transfer time from the field is greatly reduced, and because there are no intermediate steps, such as retyping data, errors during transfer are practically nonexistent.

To speed entry, pen computing forms rely on a checkbox/list field approach, presenting options on the screen for the user's selection. Text fields are relatively small, to minimize the amount of handwriting recognition required.

Pen computers have been used successfully on a number of projects. For example, to expedite field collection work on a bridge inspection project, the New York City Department of Transportation used pen computers. The job

involved inspecting and providing digital and traditional photographic documentation of the underside and top of the deck, abutments and piers on a 15-span, six-lane bridge.

Pen computer inspection forms were developed, including such information as bridge identification number, features carried and crossed, photo number, location and description of inspection. Automating the collection process saved time and minimized lane closures, an important consideration on the heavily-used roadway.

On the Williamsburg Bridge in Manhattan, a pen-based sign inventory system is being used to ensure that all construction signs comply with maintenance and protection of traffic plans. A database showing the correct color, sign size and layout, letter size and type and sign mount can be called up on field computers and compared to signs in the field. Graphics are linked to a database so that information about particular signs can be retrieved without resorting to plans.

There are other potential applications, including pavement management systems that eliminate the need to redraw sketches of pavement conditions. With intelligent sketching, a prompt tells the operator the dimensions of the items drawn, and the sketch information can be used as CADD files for creation of design documents.
Water, sewer and drainage system data can also be collected and managed more easily, and inventories of utility poles, catch basins, manholes, traffic lights and hydrants can be simplified.

GEOGRAPHIC NAMES: US

DESCRIPTORS: Handheld computers; Pen based computers; Project management; Advantages
CLASSIFICATION CODES: 5230 (CN=Computer hardware); 9190 (CN=United States)

01093434 97-42828

New software key to solving security problems

Anonymous

Discount Store News v34n18 PP: 33 Sep 18, 1995 ISSN: 0012-3587
JRNL CODE: DSN
DOC TYPE: Journal article LANGUAGE: English LENGTH: 1 Pages
WORD COUNT: 668

ABSTRACT: With the PC becoming a true household appliance, security and privacy are becoming major issues. As consumers use computers for more home functions, the potential for real damage to irreplaceable documentation is rising. Software publisher QVoice has developed a voice-recognition security system that addresses this issue. Educational publisher Edmark has introduced a family edition of its hit KidDesk that allows children to launch their games and other programs, but blocks access to Windows or DOS, thereby protecting parents' files. For on-line security, Solid Oak Software has introduced CyberSitter, a utility that monitors everything occurring on a home computer and automatically logs off if a child attempts to download or view adult or pornographic material.

TEXT: As the PC becomes a true household appliance used by all members of the family, security and privacy are becoming major issues. The most highly publicized issue is children's access to pornography, other questionable material and pedophiles lurking in kids' chat rooms) over the Internet, but there are many other ramifications to the problem.

A major one is access to a family's most private and often irreplaceable documentation. As consumers use computers for more and more home functions, from personal finances to correspondence to bringing sensitive work home from the office, the potential for real damage is rising. Kids tend to bring friends home to play on the computer, opening up all sorts of potentially embarrassing and even catastrophic scenarios. The loss of an entire year's worth of tax records, a home business's books or a series of Email letters from family members is only a few clicks away on most PCs.

QVoice, a New Jersey-based software publisher, has developed a voice-recognition security system based on the popular "Star Trek" series that addresses this issue. In essence, the software bars access to as much or as little of a PC's files as the user desires by overlaying a security device that requires a spoken password in the user's own voice. No one else can access the forbidden areas.

A parent could, therefore, allow kids access to their computer games, but nothing else, or simply bar access to the computer entirely. Another feature is on-the-fly messaging, which allows parents, for instance, to remind kids to finish their homework before they call up Doom.

According to Norm Hughes, vp at QVoice, "Giving your kids access to your computers is the same as giving all their friends access. Star Trek Deep Space Nine Voice Print Security can protect your privacy, keep kids off the World Wide Internet and prevent theft of vital files."

A similar approach comes from Edmark, the educational publisher, which has introduced a family edition of its hit KidDesk that allows children to launch their games and other programs, but blocks access to Windows or DOS, thereby protecting parents' files.

More important, Edmark's Amy Gutman noted, is KidDesk Family Edition's positive focus. "It gives kids their own environment, something that's just for them," she noted. "And it adds Email and voice mail capabilities that really make computing fun."

On-line security, in the wake of several sting operations that have exposed dozens of pedophiles preying on children in kids' chat areas (some of whom

were arrested after flying halfway across the country to meet these children), has become a hot topic. Solid Oak Software has introduced CyberSitter, a utility that monitors everything occurring on a home computer and automatically logs off if a child attempts to **download** or view adult or pornographic material. CyberSitter will also make a **record** of all attempts to alert parents and will **store** the addresses of the actual files that were contacted.

Parents contacted by The New York Times generally favored some sort of rating system for movies, video games, music and television, but worried about undue censorship in all those areas and felt that kids will find a way to watch or listen to forbidden titles anyway.

Security software like KidDesk, CyberSitter and the Star Trek voice-recognition product may offer a middle way, one that allows parental control over content even when parents aren't physically present.

Another issue moving to the forefront is the detection of new and often highly sophisticated viruses. As more home users access on-line services and the Internet, they become more vulnerable to these troublesome interlopers, which often infest a hard drive after games or graphic files are downloaded.
TCT-ThunderBYTE, a Cornwall, Ontario-based publisher, has introduced a program--also called ThunderBYTE--that detects, unencrypts and destroys thousands of known and unknown viruses.

Similarly, Dr. Solomon's Anti-Virus Toolkit, from S&S Software International, routinely scans a PC's hard drive for known viruses and provides an on-line research team to help identify and repair the damage caused by unknown viruses detected by the software.

COMPANY NAMES:
Edmark Corp
QVoice Inc
Solid Oak Software
GEOGRAPHIC NAMES: US

DESCRIPTORS: Software packages; Computer security; Computer privacy; Product introduction; Target markets; Families & family life; Manycompanies; Manyproducts
CLASSIFICATION CODES: 9190 (CN=United States); 5140 (CN=Security); 5240 (CN=Software & systems); 7500 (CN=Product planning & development)

01929270 SUPPLIER NUMBER: 18218999 (THIS IS THE FULL TEXT)

Internet search tools. (six search utilities reviewed) (includes related article on the editors' choice: WebCompass)(The Ultimate Utility Guide) (Software Review)(Evaluation)(Cover Story)

Canter, Sheryl

PC Magazine, v15, n9, p207(4)
May 14, 1996

TEXT:

So many millions of megabytes out there and so little time. We review six search utilities that help you scour the internet for the information you need.

The six utilities covered here take two basic approaches to searching for information on the World Wide Web. Some of them provide huge databases of sites--typically on CD-ROM--which you surf off-line to refine your search before connecting. Others go online to query the Web's powerful search engines and build databases and indexes for you. Some of these products offer suites of utilities that do both, besides providing other functions.

Related article: Editors' Choice: WebCompass, Version 1.0

The best off-line search tools for the Internet have extensive databases with entries organized by topic and

augmented with descriptions and searchable keywords. The ability to update the database manually is also extremely useful. This lets you correct errors, enhance descriptions, and add custom keywords. It is also helpful if the tool can access online search engines, which are continuously updated. The best tools access multiple search engines at once and compile the results.

Quarterdeck's WebCompass, our Editors' Choice, offers all these features. Its off-line databases are fairly sparse at installation, but the number of entries can easily jump to several thousand after your first online search. The hot-linked topics database is fully configurable and provides an effective structure for indexing Web resources. Online search results can also be saved to the Archive, which provides a traditional, tree-structured view of the data. Like the topics database, the Archive is fully configurable. The impressive Agent feature builds summaries of the pages found in a search. WebCompass is a powerful tool aimed at comprehensive searching, and if that's what you need, you won't find a better one.

The best Internet search tools access multiple search engines at once and compile the results.

Corel Corp.

Corel Internet Mania

Corel Internet Mania 1.01 ($24.95) is a suite of eight Internet utilities: Lycos Web Search, Web Catalog, Web Page Update Notifier, NewsScan, QuoteScan, Home Page Author, Personal Web Server, and Corel FTP. All are 32-bit and multithreaded, and all run on Windows 95 or Windows NT. Lycos Web Search and Web Catalog offer different ways to search off-line for sites. This review will focus on those search tools.

The Lycos Web Search database--stored on CD-ROM--is a snapshot of the first half-million records of the online Lycos search facility. Under Windows 95, the program installs itself under the Start menu's Find option for easy launching. The Web Search interface is a dialog box with two tabbed pages: Keywords and Advanced. The Keywords page is where you type in keywords to search on and where you set your main search criteria. You can request that one or all of your keywords be matched by using Boolean operators (AND, OR). The Advanced page lets you select how close the match must be; there are five levels, Loose to Strong. You can also specify how many URLs to return. If you click the button labeled "Submit search to Lycos," Web Search will launch your browser and submit the search to the online version of the Lycos search engine.

To search off-line, you press the Find Now button. A list box with the search results will open beneath the tabbed pages. The headers along the top of the list box look like the header buttons in Explorer, but pressing

them does not sort the output. To obtain information about a site other than its title, search score, and URL, right-click on the entry: An outline and abstract for that site, if available, will appear in a pop-up box. To go to a selected site, double-click on its entry in the list box. Web Search will launch your browser and call up the site. Corel plans to release periodic updates, but there is no subscription service, and the off-line Lycos database will age quickly.

Web Catalog is an off-line database of Web sites organized hierarchically by topic. You move through the categories by clicking on the branches. Double-clicking on a subject node will display the sites in that category. If you see a page that contains information that interests you, you can double-click on it and Web Catalog will use your browser to display it.

Internet Mania consists of six other utilities in addition to the off-line search tools. Web Page Update Notifier lets you know when favorite Web sites have been altered and are due for another visit. Home Page Author is a limited but easy-to-use tool for creating Web pages. Personal Web Server lets you publish Web pages and downloadable **files** . Corel FTP is a **file - transfer** utility that you can use to upload your Web page to a service provider or to download **files** of interest from all over the Internet. Its ability to **display file descriptions** , when they are available, makes it especially useful. QuoteScan checks stock prices and **displays** 20-minute-delayed data. Its OLE automation support allows you to **transfer** the data directly into an Excel spreadsheet. NewsScan searches the user groups you specify for messages containing a given text string; you double-click on a message to read it. The built-in reader does not let you respond to messages, so an option is provided to use an external news reader, either for all messages or for those that have not yet expired. Unfortunately, this option did not work on our test system.

Internet Mania's off-line search facility is useful for now, but it will quickly become outdated, and there is no stated update policy. Its other utilities, however, are very useful and make Internet Mania a useful purchase.

Corel Internet Mania 1.01. List price: $24.95. Corel Corp., Ottawa, Ontario, Canada; 800-772-6735, 613-728-3733; fax, 613-728-9790; http://www.corel.com.

Frontier Technologies Corp.

CyberSearch

CyberSearch ($29.95), which comes on CD-ROM, is an off-line search facility that uses a snapshot of the first half- million records in the Lycos database. The database is updated monthly, and a subscription costs $9.95 per month. The version available at the time of this writing works only with the bundled Frontier Technologies Web Browser. Version 2.0, which works with third-party Web browsers, will be available by the time you read this.

Search results are displayed in a separate window. You can mark the links for viewing at a later time, retrieve them immediately, or save them to the Organizer. When you select more than one URL for retrieval, CyberSearch will offer to open them all at once automatically. Don't try this unless you have a lot of memory, because a separate window is opened for each URL. In the Version 2.0 beta, multiple instances of your browser are launched if you select more than one URL for retrieval, requiring even more memory.

The Internet Organizer has tabbed topics across the top and the letters of the alphabet down the side for quick scrolling down a long list. You can import bookmarks from Netscape and Mosaic. You double-click on a URL to view its associated Web page, and a right click on an entry displays a one-line descriptive name and the URL. There is no area for comments or other information.

CyberSearch's strength is its large, off-line, regularly updated database. Its weakness is that the database structure for storing what you find is rather primitive.

CyberSearch (February 1996). List price: $29.95; subscription, $9.95 per month. Frontier Technologies Corp., Mequon, WI; 800-879-0075, 414-241-4555; fax, 414-241-7084; http://www.frontiertech.com/products/cybrsrch.htm.

Martin Bohnet Market Consulting

Internet Resources Database

Internet Resources Database (IRD) is a special-purpose database for storing Web pages, mailing lists, newsgroups, FTP sites, and telnet sites. The Notebook feature can be used to store a list of favorite sites, the HTML source for interesting Web pages, or e-mail addresses, which you can search by keyword. The program is shareware and can be downloaded from the company's home page on the Web. Users are encouraged to add to the database files and upload new information to share with others.

IRD isn't as slick as some off-line search tools. The window isn't sized quite right when it opens, for example, and you can tell the author isn't a native English speaker--but IRD is a useful tool. The database is well designed, and the information in it is high-quality and updated constantly. Information is sorted by topic and resource type for easy browsing. You can search by keyword, edit the database to correct errors, and add keywords and descriptions. To access a resource in an IRD database, you copy its address to the Clipboard, then paste it into your browser; the browser is not launched automatically.

IRD doesn't have a lot of bells and whistles, but it makes up for this with solid content and configurability.

Internet Resources Database 2.0. List price: Registration and databases on-disk, $45; registration only, $22. Martin Bohnet Market Consulting, Huenstetten, Germany; http://www.mbmarktcons.com/mbmarkt/irdhome.htm.

Solotech Software

Internet Site Blaster

Internet Site Blaster ($43), from SoloTech Software, is a shareware database program for storing Web-site information. The registered version includes a database of 30,000 sites. The program comes with no documentation and five unnumbered disks. When you look at their contents, you'll find that the disks each contain a single .ZIP file. The installation instructions are inside the .ZIP file on the fifth disk. SoloTech might consider pulling this file out and placing it in unzipped form on the first disk. If you download Site Blaster from SoloTech's Web site, you'll get a single 1.6MB .ZIP file.

Site Blaster has a search facility, but it is nonintuitive to use. Online help, while available, is not context-sensitive. Information in the database about each site is extremely sparse--generally just a one-word description and a URL. The program will not launch your browser and take you to the site automatically, though you can use the Export function to create Netscape bookmarks or Mosaic hot lists. The new version of Site Blaster has a facility for storing graphics, but we were unable to get it to work correctly. We tested the program under Windows 95 and had problems with instability and database corruption. We advise you to look elsewhere for an off-line search tool.

Internet Site Blaster 3.0. List price: $43. SoloTech Software, Madison, WI; 800-699-6395; http://www.execpc.com/ wmhogg/share.html.

Blue Squirrel Inc.

SqURL Pro

SqURL Pro ($119.95) is a suite of seven Windows 95 utilities designed to automate your Internet sessions and minimize the time you spend online. One part of the suite is SqURL (Search and Query Uniform Resource Locators), a cross-engine, online search utility that submits a search to multiple engines, sorts and dedupes the results, and saves them to a .NUT file. Although SqURL doesn't come preloaded with a searchable database of URLs, you will quickly develop these databases as you use it. Be careful not to reuse a database name, however. SqURL will allow it and then crash.

Each .NUT file contains one or more search Subjects, which in turn contain Keyword Searches for each search engine used. Each Keyword Search has an associated set of Results. SqURL displays these three categories of information in a three-paned window. Information about the Searches and Results (Web sites) can be obtained by right-clicking on an item and selecting Properties. Web-site information is limited to title, URL, the search engine that found the site, and some details about when it was found. There is no field for descriptions, and you can not add new search engines.

SqURL Pro is more than just a search facility, and its other components are very useful. Grab-a-Dial lets you use Dial-up Networking in

an automated scheduling program, something you can't ordinarily do under Windows 95. The companion utility, Don't Stop, lets the Dial-up Networking session run unattended by clicking the Connect button for you. Once connected, you can use SqURL to search the Web, Grab-a-Site to capture part of the Web to your hard disk, and SendMail to activate Exchange with a script- enabling command line. Hang-It-Up hangs up the phone for you when you're done, and it's handy for automated scripts and for starting a download and going off to the movies.

SqURL Pro won't help you organize your bookmarks, but it can help you locate resources on the Web, and it comes with a suite of useful utilities.

SqURL Pro. List price: $119.95. Blue Squirrel Inc., Salt Lake City, UT; 800-403-0925, 801-484-2225; fax, 801-484-2229; http://www.bluesqirrel.com.

Quarterdeck Corp.

WebCompass

WebCompass 1.0, from Quarterdeck Corp., lets you search both online and off-line. Priced at $139, it is by far the most powerful search tool in this round-up. In addition to a search-and-retrieval engine, the product includes three other components: the Quarterdeck Mosaic browser, Quarterdeck WebServer, and the local Web pages that make up the search engine interface. URLs are stored in Mosaic's Archive database, which uses a tree structure similar to Explorer's. WebCompass also works with third-party browsers.

The Archive display can be toggled on or off with a button press, and it consists of four tabbed pages: Hotlists, Global History, Local History, and Link Tree. The Hotlists are an editable set of URLs organized by topic. Over 500 URLs come preloaded in a hot list. You can add to the list or create a new one. You can import URLs from Netscape, NCSA Mosaic, or HTML files. The Global History page lists all the sites you've visited. The number of days before a link expires and the number of links saved can be set in the Preferences dialog box. The Local History page shows you where you've been during the current session. The Link Tree organizes the Local History hierarchically, so you can see at a glance how the links are related to each other. To view a URL on any of the four pages, simply click its icon.

The central feature of WebCompass is its enhanced search-and-retrieval engine. WebCompass can search multiple online databases, then organize and summarize the information it finds. This is time-consuming, but it can be done in the background while you perform other tasks. You can speed things up by selecting only relevant search engines, or resources. Resources are grouped by type (General or Media, for example), and the types are configurable. You can also add new search engines. When a search is done, you can save the results to the Archive.

The search engine interface, WebCompass Editor, is written as a set of HTML documents and CGI scripts. It requires Quarterdeck WebServer to run. The simplest way to search is to type in keywords, select the resources to use, and click Search. This will return a list of documents with any duplicates already removed.

The easiest way to perform a search is to start by looking in the topics database for the subject of interest. Each topic record includes the topic name, topic type (for example, thing or person), definition, query terms, and search resources to use. The query terms include alternative spellings and synonyms, and ensure the broadest search possible. You can edit the information in a topic record, and you can add new records. When you find the topic you want, click on Activate Inactive Topic and return to the WebCompass Editor. You'll see the topic on the Active Topic list.

To begin a background search of the Internet resources you've selected, you click Start Agent. The Agent will compile a list of the sites it finds, automatically create summaries, and link the information to the topic database. As you work with WebCompass, the topic database becomes filled with associated Web sites. We encountered some stability problems when doing background searches of the Web. The system would sometimes freeze and crash after switching to another program. There were also some redraw problems in the WebCompass Editor.

WebCompass is a complex program, and you'll have to spend some time to get comfortable with it. But once you do, you'll be rewarded with an extraordinarily powerful tool for retrieving, organizing, and storing

information from the Web. The more you use it, the more completely you'll be able to command the subjects that interest you.

WebCompass 1.0. List price: $139. Quarterdeck Corp., Marina Del Rey, CA; 800-683-6696, 310-309-3700; fax, 813-523-2335; http://www.qdeck.com/.

2072998 Supplier Number: 02072998 (THIS IS THE FULLTEXT)

CARL Corp. Announces Major New Release for Everybody's Menu Builder (CARL Corp releasing Version 2.0 of Everybody's Menu Builder graphical menuing and security software)

Information Today, v 15, n 2, p 41
February 1998
WORD COUNT: 355

TEXT:
CARL Corporation has announced the release of Version 2.0 for Everybody's Menu Builder graphical menuing and security software. This software enables libraries of all types to streamline patron usage of public-access workstations while protecting the software programs installed on them.

Everybody's Menu Builder allows libraries to present all of their PC-based software to the user from a single, attractive graphical interface, which makes it easier for patrons to browse the data sources available, the company says. Applications are launched with a simple **click** on colorful icons and **graphical buttons** . A collection of icons is included to help the library customize the interface. Similar data sources or applications can be grouped under hierarchical headings, aiding patron navigation. Version 2.0 of Everybody's Menu Builder offers significant new functionality, according to the company, including many new features that were suggested by current users of the product. The following enhancements are now available:

* The ability to password-protect individual buttons that launch applications

* A data-logging package that allows a library to track the frequency and the length of time a particular application or button is accessed

* User and Data Maintenance Managers that create detailed records on usage

photo omitted

* The ability to preview a completed menu prior to launching the software in secure mode

* A revised menu that can present 10 buttons per screen

* Different help files on each level
* Indication of which level, sub-level, or screen a user is on

* The ability to incorporate third-party icons into the menu

Depending on the security level setting established by the library's automation manager, an institution using Everybody's Menu Builder 2.0 can limit user access to specific applications or databases. Additionally, once a patron accesses the public menu, libraries have the option to track which buttons are selected and how long the associated application is used. This tracking ability will be valuable to Menu Builder customers who need to know which applications are being used on their public workstations to justify and budget for software purchasing expenditures.

Everybody's Menu Builder is available for both stand-alone and network environments.

Source: CARL Corporation, Denver, 303/758-3030; http://www.carl.org.

6097229 INSPEC Abstract Number: B9901-6420-013, C9901-7410F-036

Title: Satellite data broadcasting-an end to the world-wide-wait?

Author(s): Smith, N.

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Abstract: Data broadcasting is an alternative to the Information Superhighway that offers most of the functionality of cable at much lower costs by exploiting the existing direct broadcast satellite (DBS) infrastructure to distribute electronic content to home and business personal computers (PCs). With **information transfer** rates more than 1,000 times faster than land-based connections, data broadcasting is the quickest and cheapest way for individuals and enterprises to download multimedia information that may include text, images, video, animation and even CD quality sound. All that is required for the end user is a low cost PC board that takes minutes to install. In effect, data broadcasting is the adaptation of the TV broadcast paradigm to data. Information gathered from a discrete set of providers is packaged at a central point, scheduled and then transmitted to the consumer. Consumers consult an on-screen **menu** for data and then **select** what information they wish to receive. (0 Refs)

Subfile: B C
Descriptors: business communication; data communication; direct broadcasting by satellite; home computing; microcomputer applications; telecommunication computing
Identifiers: satellite data broadcasting; Information Superhighway; direct broadcast satellite; DBS infrastructure; electronic content distribution; home; business; personal computers; information transfer rates; multimedia information downloading; text; images; video; animation; CD quality sound; low cost PC board; TV broadcast paradigm; on-screen menu
Class Codes: B6420 (Radio and television broadcasting); B6250G (Satellite communication systems); C7410F (Communications computing); C7830 (Home computing)